

1	2	3	4	5	6	7	8	9	10	11
163.40	166.40	3.00	2.93	97.66	2.93	3.00	166.40	SST. & Sh. Intercalated		
166.40	167.00	0.60	0.60	180.00	0.60	0.60	167.00	SST. & Sh. Intercalated		
167.00	170.05	3.05	2.95	96.72	1.40	1.45	168.45	SST. & Sh. Intercalated		
					0.24	0.25	168.70	Sh.		
					1.31	1.35	170.05	SST. & Sh. Intercalated		
170.05	173.10	3.05	3.05	100.00	3.05	3.05	173.10	SST. Mgd.		
173.10	176.15	3.05	3.05	100.00	3.05	3.05	176.15	SST. Mgd.		
176.15	179.25	3.10	3.10	100.00	0.85	0.85	177.00	SST. & Sh. Intercalated		
					2.25	2.25	179.25	SST. & Sh. Intercalated		
179.25	182.15	2.90	2.90	100.00	1.54	1.54	180.79	SST. & Sh. Intercalated		
					1.36	1.36	182.15	SST. Argl.		
182.15	185.25	3.10	3.10	100.00	3.10	3.10	185.25	SST. Argl.		
185.25	188.25	3.00	2.95	99.33	0.47	0.47	185.72	SST. Argl.		
					1.71	1.72	187.44	Sh. Aren.		
					0.80	0.81	188.25	SST. & Sh. Intercalated		
188.25	190.25	2.00	2.00	100.00	2.00	2.00	190.25	SST. & Sh. Intercalated		
190.25	191.60	1.35	1.31	97.03	1.31	1.35	191.60	SST. & Sh. Intercalated		
191.60	194.60	3.00	2.95	98.33	1.28	1.30	192.90	SST. & Sh. Intercalated		
					0.43	0.44	193.34	SST. Mgd.		
					1.24	1.26	194.60	SST. & Sh. Intercalated		
194.60	197.35	2.75	2.75	100.00	1.22	1.22	195.82	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
197.35	200.45	3.10	3.10	100.00	0.46.	0.46	197.35	SST. Med.		
					0.64	0.64	197.99	SST. & Sh. Intercalated		
					0.67	0.67	198.66	SST. Argil.		
					1.15	1.15	199.81	Sh. Aren.		
200.45	203.50	3.05	3.05	100.00	0.64	0.64	200.45	SST. Med.		
					0.25	0.25	200.70	SST. Med.		
					2.43	2.43	203.13	SST. & Sh. Intercalated		
					0.29	0.29	203.42	SST. Med.		
					0.08	0.08	203.50	SST. & Sh. Intercalated		
203.50	206.05	2.55	2.50	98.03	0.38	0.39	203.89	SST. & Sh. Intercalated		
					1.26	1.29	205.18	SST. Med.		
					0.45	0.46	205.64	SST. & Sh. Intercalated		
					0.35	0.35	205.99	SST. Med.		
					0.06	0.06	206.05	Sh. Aren.		
206.05	209.05	3.00	2.92	97.33	0.63	0.65	206.70	SST. & Sh. Intercalated		
					2.29	2.35	209.05	SST. Med.		
209.05	211.15	2.10	2.10	100.00	2.10	2.10	211.15	SST. Med.		
211.15	213.05	1.90	1.89	99.47	1.51	1.52	212.67	SST. Med.		
					0.38	0.38	213.05	Sh. Aren.		
213.05	216.05	3.00	2.89	96.33	0.43	0.45	213.50	Sh. Aren.		

1	2	3	4	5	6	7	8	9	10	11
228.15	231.25	3.10	3.10	100.00	3.10	3.10	231.25	SST. Mgcl.		
225.10	228.15	3.05	3.05	100.00	1.31	1.31	226.41	SST. & Sh. Intercalated		
223.70	225.10	1.40	1.40	100.00	1.40	1.40	225.10	SST. & Sh. Intercalated		
222.20	223.70	1.50	1.47	98.00	0.07	0.07	222.27	SST. Mgcl.		
219.10	222.20	3.10	3.10	100.00	0.47	0.47	219.57	SST. & Sh. Intercalated		
216.05	219.10	3.05	3.05	100.00	1.81	1.81	217.86	SST. Mgcl.		
					0.37	0.38	216.05	SST. Mgcl.		
					0.92	0.96	215.67	SST. & Sh. Intercalated		
					0.34	0.35	214.71	SST. & Sh. Intercalated		
					0.08	0.08	214.36	SST. & Sh. Intercalated		
					0.53	0.55	214.28	SST. Mgcl.		
					0.22	0.23	213.73	SST. & Sh. Intercalated		
					1.24	1.24	219.10	SST. & Sh. Intercalated		
					0.40	0.40	219.97	SST. Mgcl.		
					1.70	1.70	221.67	SST. & Sh. Intercalated		
					0.53	0.53	222.20	SST. Mgcl.		
					0.07	0.07	222.27	SST. Mgcl.		
					1.40	1.43	223.70	SST. & Sh. Intercalated		
					1.40	1.40	225.10	SST. & Sh. Intercalated		
					0.66	0.66	227.07	Sh. Aren.		
					1.08	1.08	228.15	SST. Mgcl.		

1	2	3	4	5	6	7	8	9	10	11
231.25	234.30	3.05	3.05	100.00	1.45	1.45	233.25	SST. & Sh. Intercalated		
					0.15	0.15	233.40	COLL with Sh.		
					0.67	0.67	234.07	SST. Argil.		
					0.23	0.23	234.30	SST. & Sh. Intercalated		
234.30	237.35	3.05	2.96	97.04	0.16	0.16	234.46	SST. & Sh. Intercalated		
					0.37	0.38	234.84	SST. Mgd.		
					1.93	2.00	235.84	Grt.		
					0.08	0.08	235.92	Sh.		
					0.42	0.43	237.35	SST. Ggd.		
237.35	240.40	3.05	3.01	98.68	2.01	2.04	239.39	SST. Ggd.		
					0.76	0.77	240.16	SST. & Sh. Intercalated		
					0.13	0.13	240.39	SST. Ggd.		
					0.11	0.11	240.40	C O A L		
240.40	243.45	3.05	2.97	97.37	0.10	0.10	240.50	C O A L		
					0.91	0.93	241.43	SST. Fgd. with Sh. bands		
					0.04	0.04	241.47	Sh. with C - streaks		
					0.04	0.04	241.51	C O A L		
					0.81	0.83	242.34	SST. Argil.		
					1.07	1.11	243.45	SST. Ggd.		

1	2	3	4	5	6	7	8	9	10	11
243.45	246.55	3.10	3.05	98.38	0.53	0.54	243.99	SST. Cgd.		
					2.31	2.34	246.33	Sh. Aren.		
246.55	249.55	3.00	2.91	97.00	0.21	0.22	246.55	SST. Med. with Sh. bands		
					1.86	1.92	248.47	SST. & Sh. Intercalated		
					0.09	0.09	248.56	Sh.		
					0.04	0.04	248.60	C O A L		
					0.15	0.15	248.75	Sh. with C - streaks		
					0.54	0.56	249.31	SST. & Sh. Intercalated		
					0.23	0.24	249.55	Sh.		
249.55	251.15	1.60	1.55	96.87	0.31	0.32	249.87	SST. & Sh. Intercalated		
					0.13	0.13	250.00	Sh. Aren.		
251.15	252.65	1.50	1.45	96.66	1.11	1.15	251.15	SST. & Sh. Intercalated		Sl.
					0.84	0.87	252.02	Sh.		Sl.
					0.13	0.13	252.15	C O A L		
					0.48	0.50	252.65	SST. & Sh. Intercalated		
252.65	255.75	3.10	3.06	98.70	0.83	0.84	253.49	SST. & Sh. Intercalated		
					0.74	0.75	254.24	Sh.		Sl.
					1.49	1.51	255.75	SST. Med.		
255.75	256.80	1.05	1.04	99.04	0.50	0.51	256.26	SST. Med.		
					0.10	0.10	256.36	Sh.		
					0.44	0.44	256.80	SST. Med. with Sh. bands		Sl.

1	2	3	4	5	6	7	8	9	10	11
257.60	258.80	1.20	1.19	99.16	0.33	0.33	257.93	Sh. Aren.		V. Fr. Fr.
258.80	260.25	1.45	1.45	100.00	0.71	0.72	258.65	SST. & Sh. Intercalated		
260.25	261.85	1.60	1.60	100.00	0.15	0.15	258.80	SST. Mgd.		
261.85	264.40	2.55	2.52	98.82	1.45	1.45	260.25	Grit.		
264.40	264.90	0.50	0.50	100.00	1.60	1.60	261.85	Grit.		
264.90	267.85	2.95	2.95	100.00	2.52	2.55	264.40	Grit.		V. Fr.
					0.50	0.50	264.90	Sh. Aren.		
267.85	269.75	1.90	1.83	96.31	0.50	1.55	266.45	SST. & Sh. Intercalated		
269.75	271.35	1.60	1.56	97.5	1.40	1.40	267.85	SST. Cgd.		Fr., V. Fr.
					1.83	1.90	269.75	SST. Cgd. to Grit.		
					1.04	1.07	270.82	Grit.		
					0.15	0.15	270.97	Sh.		
271.35	274.10	2.75	2.75	100.00	0.37	0.38	271.35	Sh. with C - streaks		
					0.05	0.05	271.40	Sh.		
					1.50	1.50	272.90	SST. & Sh. Intercalated		
274.10	276.30	2.20	2.20	100.00	1.20	1.20	274.10	Sh.		
					0.19	0.19	274.39	Sh. with C - streak		
					0.31	0.31	274.70	Sh. Aren.		
					0.59	0.59	275.29	SST. & Sh. Intercalated		
					0.62	0.62	275.91	SST. Mgd.		
					0.15	0.15	276.06	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
276.30	277.25	0.95	0.94	98.94	0.76	0.16	276.22	SST. Mgd.		
					0.08	0.08	276.30	SST. & Sh. Intercalated		
					0.74	0.75	277.05	SST. & Sh. Intercalated		
					0.20	0.20	277.25	Sh. Iron.		
277.25	280.30	2.75	2.71	98.54	0.86	0.87	278.12	Sh.		
					0.71	0.72	278.84	Sh. with Iron bands		
					0.12	0.12	278.96	Sh. Iron.		
					0.52	0.53	279.49	Sh. with C - streaks		
					0.50	0.51	280.00	SST. & Sh. Intercalated		
280.00	283.10	3.10	3.05	98.38	1.25	1.26	281.26	SST. & Sh. Intercalated		Sl.
					0.37	0.38	281.64	Sh. Iron. with		
					0.06	0.06	281.70	SST. Mgd. sideritic		
					0.48	0.49	282.19	SST. & Sh. Intercalated		
					0.31	0.32	282.51	SST. Mgd. sideritic		
					0.58	0.59	283.10	SST. & Sh. Intercalated		
283.10	286.15	3.05	3.03	99.34	0.19	0.20	283.30	SST. & Sh. Intercalated		Sl.
					0.25	0.26	283.56	SST. Fgd. sideritic		
					0.25	0.25	283.82	SST. & Sh. Intercalated		
					1.76	1.76	285.55	Sh.		Br., Sl.
					0.58	0.58	286.15	Sh. Iron.		

1	2	3	4	5	6	7	8	9	10	11
289.30	292.30	3.10	3.04	98.06	0.17	0.17	286.59	Sh.		
					0.48	0.48	287.07	Sh. aren.		
					0.30	0.30	287.37	SST. & Sh. Intercalated		V. Fr.
					0.13	0.13	287.50	SST. Mgd.		
					0.25	0.25	287.75	SST. & Sh. Intercalated		
					0.12	0.12	287.87	SST. Mgd.		
					0.14	0.14	288.01	SST. & Sh. Intercalated		
					0.20	0.20	288.21	SST. Mgd.		
					0.09	0.09	288.30	SST. & Sh. Intercalated		
					0.90	0.90	289.20	SST. Mgd.		
					0.27	0.27	289.47	SST. Mgd. with Sh. 1 annule		
					0.85	0.87	290.34	SST. Cgd.		
					0.90	0.92	291.26	SST. & Sh. Intercalated		
					1.02	1.04	292.30	SST. Cgd.		
292.30	295.30	3.00	3.00	100.00	1.00	1.00	293.30	SST. Cgd.		
					0.09	0.09	293.39	Sh. aren.		
					0.95	0.95	294.34	SST. & Sh. Intercalated		
					0.42	0.42	294.76	Sh. aren.		
					0.30	0.30	295.06	SST. & Sh. Intercalated		
					0.24	0.24	295.30	Sh. with aren. bands		
295.30	298.30	3.00	2.91	97.00	0.07	0.07	295.37	Sh. with C - streaks.		

1	2	3	4	5	6	7	8	9	10	11
					0.11	0.11	295.48	C O & L		
					0.38	0.39	295.37	Sh. with C - streaks		
					0.69	0.71	296.58	Sh.		
					0.50	0.52	297.10	Sh. with C - bands		
					1.16	1.20	298.30	SST. Argill.		
298.30	301.40	3.10	3.05	98.38	0.13	0.13	298.43	SST. Argill.		
					0.67	0.68	299.11	SST. & Sh. Intercolated		
					1.46	1.49	300.60	Gr't. with Sh. bands		
					0.66	0.67	301.27	SST. & Sh. Intercolated		
					0.13	0.13	301.40	Sh. Argill.		
301.40	302.70	1.30	1.30	100.00	1.30	1.30	302.70	SST. Argill. sideritic		
302.70	304.60	1.90	1.90	100.00	0.10	0.10	302.80	SST. & Sh. Intercolated		
					0.35	0.35	303.15	Sh.		
					0.80	0.80	303.95	SST. & Sh. Intercolated		
					0.65	0.65	304.60	SST. Mg'd.		
304.60	305.35	0.75	0.75	100.00	0.75	0.75	305.35	SST. Mg'd. sideritic		
305.35	307.65	2.30	2.24	97.39	0.43	0.44	305.79	SST. Mg'd.		
					0.77	0.79	306.58	SST. Argill.		
					0.35	0.36	306.94	SST. & Sh. Intercolated		
					0.69	0.71	307.65	SST. Mg'd.		
307.65	310.60	2.95	2.86	96.94	0.90	0.93	308.58	SST. & Sh. Intercolated		

1	2	3	4	5	6	7	8	9	10	11
310.60	313.70	3.10	3.10	100.00	1.15	1.19	309.77	SST. Mgd.		
					0.14	0.14	309.91	SST. & Sn. Intercalated		
					0.67	0.69	310.60	SST. Argil.		
					0.37	0.37	310.97	SST. Argil.		
					1.50	1.50	312.47	SST. Rgd. with Sn. laminae		
					0.25	0.25	312.72	Sn. with C - streaks		
					0.38	0.38	313.10	SST. Argil.		
					0.16	0.16	313.36	Sn.		Br.
					0.44	0.44	313.70	SST. & Sn. Intercalated		
313.70	315.10	1.40	1.39	99.28	0.33	0.33	314.03	SST. Mgd.		
					0.07	0.07	314.10	SST. & Sn. Intercalated		
					0.51	0.52	314.62	Sn.		Br., Pr., Sl.
					0.28	0.28	314.90	SST. Mgd.		Sl., Pr.
					0.20	0.20	315.10	Sn. with green bands		Sl., Pr.
315.10	316.40	1.30	1.30	100.00	1.30	1.30	316.40	SST. & Sn. Intercalated		Pr., Sl.
316.40	319.40	3.00	2.93	97.66	0.36	0.27	317.32	Sc.		
					0.36	0.27	317.59	Sn. with C - streaks		
					0.63	0.64	318.23	SST. Mgd. with Sn. bands		
					0.59	0.60	318.83	SST. & Sn. Intercalated		
					0.56	0.57	319.40	SST. Mgd.		
319.40	321.15	1.75	1.75	100.00	0.15	0.15	319.51	SST. Mgd.		
					0.25	0.25	319.80	SST. Argil.		
					0.22	0.22	320.02	Sn.		

1	2	3	4	5	6	7	8	9	10	11
					0.20	0.20	320.22	SST. Mgcl.		
					0.21	0.21	320.43	SST. Argil.		
					0.72	0.72	321.15	SST. & Sh. Intercalated		
321.15	322.75	1.60	1.60	100.00	0.46	0.46	321.61	SST. & Sh. Intercalated		Pr.
					1.14	1.14	322.75	SST. Cgd.		
322.75	325.85	3.10	3.05	98.38	0.03	0.03	322.78	SST. Cgd.		
					1.63	1.66	324.44	SST. & Sh. Intercalated		
					0.89	0.91	325.35	Sh.		
					0.12	0.12	325.47	Sh. Sideritic.		
					0.24	0.24	325.71	Sh.		
					0.14	0.14	325.85	Sh. Aren.		
325.85	328.95	3.10	3.10	100.00	0.21	0.21	326.06	Sh. Aren.		
					0.53	0.53	326.59	Sh. with C - bands		
					0.35	0.35	326.94	Sh.		
					0.66	0.66	327.60	SST. Argil.		
					1.35	1.35	328.95	SST. & Sh. Intercalated		
328.95	332.00	3.05	3.05	100.00	0.40	0.40	329.35	SST. Argil.		
					0.26	0.26	329.61	SST. Mgcl.		
					1.35	1.35	330.96	SST. & Sh. Intercalated		
					0.71	0.71	331.67	SST. Cgd.		
					0.33	0.33	332.00	Cgd. t.		

1	2	3	4	5	6	7	8	9	10	11
335.05	338.10	3.05	3.04	99.67	0.30	0.30	335.35	Sh. with Aren. band		
					0.27	0.27	335.62	C O A L		
					0.08	0.08	335.70	Sh. with C - streaks		
					0.21	0.21	335.91	C O A L		
					0.75	0.76	336.67	SST. & Sh. Intercalated		
					0.37	0.37	337.04	SST. Mgcl.		
					0.20	0.20	337.24	SST. & Sh. Intercalated		
					0.24	0.24	337.48	SST. Mgcl.		
					0.53	0.53	338.01	Sh. with Aren. bands		
					0.09	0.09	338.10	SST. Fgd.		
338.10	341.20	3.10	3.09	99.67	1.17	1.18	338.28	SST. & Sh. Intercalated		V. fr.
					0.78	0.78	340.06	Sh. Aren.		
					1.14	1.14	341.20	SST. Mgcl. with pyrite		
341.20	344.25	3.05	2.97	97.37	2.44	2.51	343.71	SST. Mgcl. with pyrite		V. fr.
					0.26	0.26	343.97	SST. & Sh. Intercalated		
					0.27	0.28	344.25	SST. Fgd.		
344.25	347.50	3.25	2.93	89.23	1.24	1.45	345.70	SST. & Sh. Intercalated		
					0.77	0.84	346.54	Sh. with Aren. bands		
					0.89	0.96	347.50	Sh.		
347.50	349.70	2.20	2.18	99.09	0.82	0.83	348.33	Sh.		S.
					0.26	0.26	348.59	Gsh.		
					0.14	0.14	348.73	Sh. with C - bands		

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1	2	3	4	5	6	7	8	9	10	11
349.70	350.25	0.55	0.55	100.00	0.35	0.35	349.08	SST. Argil. with C - streaks		
350.25	353.35	3.10	3.06	98.70	0.61	0.62	349.70	SST. & Sh. Intercalated		
					0.55	0.55	350.25	SST. Mgd. with Sh. band		V. fr.
					0.65	0.66	350.91	SST. Mgd. with Sh. laminae		
					0.20	0.20	351.11	SST. & Sh. Intercalated		
					0.65	0.66	351.77	Sh. with pyrite specks		Br.
					0.25	0.25	352.02	SST. Argil.		
					0.25	0.25	352.27	SST. Mgd. sideritic		
					0.10	0.10	352.37	SST. & Sh. Intercalated		
					0.17	0.17	352.54	SST. Mgd.		
					0.45	0.46	353.00	SST. Argil.		
353.35	354.35	1.00	0.88	88.00	0.24	0.35	353.35	SST. & Sh. Intercalated		
					0.58	0.66	354.01	SST. Mgd. with Sh. laminae		
					0.15	0.17	354.18	SST. Argil.		
					0.15	0.17	354.35	Sh. Argil.		
354.35	356.55	2.20	2.06	93.63	1.52	1.62	355.97	Sh.		Br.
					0.26	0.28	356.25	SST. Argil.		
					0.28	0.30	356.55	SST. & Sh. Intercalated		
356.55	357.95	1.40	1.37	97.85	0.07	0.07	356.62	SST. & Sh. Intercalated		
					0.61	0.62	357.24	Sh. with Argil. bands		
					0.38	0.39	357.63	Sh. with C - bands		

1	2	3	4	5	6	7	8	9	10	11
357.95	360.80	2.85	2.81	98.59	0.06	0.06	357.69	osh.	XVIII C	V. Fr.
					0.25	0.26	357.95	C O A L		
					1.39	1.41	359.36	C O A L		
					0.17	0.17	359.53	Sh. with C - bands		
					1.25	1.27	360.80	SST. & Sh. Intercolated	XVIII B	Fr.
360.80	363.00	2.80	1.84	83.63	0.36	0.43	361.23	SST. & Sh. Intercolated		
					0.79	0.94	361.17	SST. Mgd.		
					0.09	0.11	362.28	C O A L		
					0.41	0.49	362.77	Sh. with C - bands	XVIII A	Fr.
					0.19	0.23	363.00	Sh. Iron.		
363.00	364.00	1.00	0.96	96.00	0.29	0.30	363.30	Sh.		
					0.08	0.08	363.38	C O A L		
					0.59	0.62	364.00	Sh.	XVIII B	Fr.
364.00	366.70	2.70	2.59	95.92	0.21	0.22	364.22	C O A L		
					0.08	0.09	364.31	Sh.		
					1.28	1.33	365.64	C O A L		
					0.69	0.72	366.36	Sh.	XVIII C	V. Fr.
					0.18	0.19	366.55	osh. with C - streak		
					0.04	0.04	366.59	M. P.		
					0.05	0.05	366.64	Sh.		
					0.06	0.06	366.70	M. P.	XVIII B	Fr.
366.70	367.50	0.80	0.80	100.00	0.80	0.80	367.50	Sh. Aren.		

1	2	3	4	5	6	7	8	9	10	11
367.50	368.50	1.00	0.97	97.00	0.22	0.23	367.73	SST. Mgcl. with Sh. 1 sandstone		
					0.08	0.08	367.81	Sh.		
					0.26	0.27	368.08	SST. & Sh. Intercalated		
					0.41	0.42	368.50	SST. Mgcl.		
368.50	371.00	2.50	2.45	98.00	2.11	2.16	370.66	SST. Mgcl.		
					0.22	0.22	370.88	SST. & Sh. Intercalated		
					0.12	0.12	371.00	Sh.		Br.
371.00	373.00	2.00	1.99	99.5	0.39	0.39	371.39	Sh. Aren.		
					0.91	0.92	372.31	SST. Argill.		
					0.69	0.69	373.00	SST. & Sh. Intercalated		
373.00	373.85	0.85	0.85	100.00	0.85	0.85	373.85	SST. & Sh. Intercalated		
373.85	375.55	1.70	1.70	100.00	0.77	0.77	374.62	SST. & Sh. Intercalated		
					0.48	0.48	375.10	SST. Argill.		
					0.45	0.45	375.55	SST. & Sh. Intercalated		
375.55	376.20	0.65	0.64	98.46	0.64	0.65	376.20	SST. Mgcl. with Sh. 1 sandstone		
376.20	376.70	0.50	0.47	94.00	0.47	0.50	376.70	SST. Mgcl.		W.
376.70	377.10	0.40	0.40	100.00	0.40	0.40	377.10	SST. Mgcl.		Fr., W.
377.10	379.45	2.35	2.20	93.61	0.52	0.56	377.66	SST. Mgcl.		
					0.62	0.66	378.32	SST. Cgd.		
					0.52	0.55	378.87	SST. Mgcl. with Sh. baked		
					0.54	0.58	379.45	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
381.60	382.50	0.90	0.85	94.14	0.55	0.56	381.42	SST. Mgcl.		
					0.18	0.18	381.60	SST. Argil.		
					0.19	0.20	381.80	Sh. with Aren. bands		
					0.10	0.11	381.91	SST. Fgd.		
					0.15	0.16	382.07	Sh.		
					0.41	0.43	382.50	SST. Mgcl. with Sh. bands		
382.50	383.50	1.00	1.00	100.00	1.00	1.00	383.50	SST. & Sh. Intercalated		
383.50	384.30	0.80	0.77	96.25	0.32	0.33	383.83	SST. & Sh. Intercalated		
					0.45	0.47	384.30	SST. Argil.		
384.30	385.45	1.15	0.95	82.60	0.08	0.11	384.41	Sh.		
					0.12	0.16	384.57	C O A L		
					0.15	0.19	384.76	SST. Argil.		
					0.60	0.69	385.45	SST. & Sh. Intercalated		
385.45	387.35	1.90	1.78	93.68	0.30	0.32	385.77	SST. Mgcl.		
					0.87	0.93	386.70	SST. Argil.		
					0.39	0.42	387.12	Sh. Aren.		
					0.22	0.23	387.35	SST. & Sh. Intercalated		
387.35	389.45	2.10	2.05	97.61	2.05	2.10	389.45	SST. Mgcl.		
389.45	390.75	1.30	1.24	95.38	1.24	1.30	390.75	SST. Mgcl.		
390.75	391.80	1.05	1.05	100.00	1.05	1.05	391.80	SST. Cgd.		
391.80	392.80	1.00	0.97	97.00	0.97	1.00	392.80	SST. Cgd.		
392.80	393.85	1.05	1.05	100.00	1.05	1.05	393.85	SST. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
393.85	394.85	1.00	0.80	80.00	0.31	0.39	394.24	SST. Gcd.		
					0.15	0.19	394.43	St. with Aren. bands		
					0.08	0.10	394.53	SST. Argil.		
					0.10	0.13	394.66	SST. & St. Intercalated		
					0.16	0.19	394.85	C O A.L		
394.85	396.85	2.00	1.79	89.5	0.42	0.47	395.32	St. with C - bands		Vr.
					0.05	0.06	395.38	C O A.L		
					0.28	0.31	395.69	St. with C - bands		
					0.29	0.32	396.01	SST. Argil.		
					0.43	0.48	396.49	SST. & St. Intercalated		
					0.32	0.36	396.85	St.		
396.85	397.85	1.00	0.90	90.00	0.53	0.59	397.44	SST. & St. Intercalated		
					0.37	0.41	397.85	St. Aren.		
397.85	399.35	1.50	1.41	94.00	0.45	0.18	398.33	SST. Argil.		
					0.68	0.72	399.05	St.		Br.
					0.28	0.30	399.35	SST. Mgd.		
399.35	400.20	0.85	0.76	89.41	0.30	0.34	399.69	SST. Mgd.		
					0.14	0.16	399.85	St.		
					0.22	0.24	400.09	SST. & St. Intercalated		
					0.10	0.11	400.20	St.		
400.20	401.05	0.85	0.76	89.41	0.76	0.85	401.05	St. with Aren. bands		

1	2	3	4	5	6	7	8	9	10	11
402.55	404.35	1.80	1.80	100.00	0.48	0.48	403.03	SST. Mgđ. vđ th Sh. Lamineae		
					1.09	1.09	404.12	SST. & Sh. Intercalated		
					0.15	0.15	404.27	Sh.		
					0.08	0.08	404.35	Sh. Lren.		
404.35	406.00	1.65	1.45	87.87	0.56	0.64	404.99	SST. Mgđ. vđ th Sh. baked		
					0.17	0.19	405.18	SST. & Sh. Intercalated		
					0.07	0.08	405.26	Sh. Lren.		
					0.44	0.50	405.76	Sh.		
					0.12	0.14	405.90	SST. Lngl.		
					0.09	0.10	406.09	Sh. Lren.		
406.00	407.40	1.40	1.23	87.85	0.05	0.06	406.06	Sh. Lren.		
					0.26	0.30	406.36	SST. Mgđ.		
					0.29	0.32	406.68	SST. Mgđ. vđ th Sh. Lamineae		
					0.72	0.72	407.40	Sh. Lren.		
407.40	408.45	1.05	1.01	96.19	0.13	0.14	407.54	SST. Mgđ.		
					0.45	0.47	408.01	SST. & Sh. Intercalated		
					0.32	0.33	408.34	Sh.		
					0.11	0.11	408.45	SST. Mgđ.		
408.45	409.60	1.15	0.99	86.08	0.40	0.46	408.91	SST. Mgđ.		

Br.
Br.

1	2	3	4	5	6	7	8	9	10	11
419.30	420.30	1.00	0.89	89.00	0.69	0.70	420.00	Cr't. with C - streak		
415.30	416.30	1.00	0.72	72.00	0.72	1.00	416.30	SST. Mg'd. with Sn. laminae		Br., Fr. SL.
416.30	419.30	3.00	1.85	61.66	0.51	0.83	417.13	SST. Mg'd. with Sn. laminae		
					0.36	0.58	417.71	SST. Mg'd.		
					0.22	0.36	418.07	SST. Mg'd.		
					0.76	1.23	419.30	SST. Mg'd. sideritic		Fr.
413.80	415.30	1.50	1.48	98.66	0.08	0.08	413.88	M.F.		
					0.17	0.17	414.05	Sn. baked		
					0.24	0.25	414.30	Sn.		
					0.15	0.15	414.45	Sn.		
					0.84	0.85	415.30	SST. Mg'd.		
410.50	411.40	0.90	0.90	100.00	0.90	0.90	411.40	Sn. with lren. bands		
411.40	412.70	1.30	1.29	99.23	1.29	1.30	412.70	Sn. with C - streaks		
412.70	413.80	1.10	1.07	97.27	0.20	0.21	412.91	Sn. lren.		
					0.58	0.60	413.51	Sn. with lren. bands		
					0.04	0.04	413.55	Sn. baked		
					0.25	0.25	413.80	M.F.		
					0.08	0.08	413.88	M.F.		
					0.17	0.17	414.05	Sn. baked		
					0.24	0.25	414.30	Sn.		
					0.15	0.15	414.45	Sn.		
					0.84	0.85	415.30	SST. Mg'd.		
415.30	416.30	1.00	0.72	72.00	0.72	1.00	416.30	SST. Mg'd. with Sn. laminae		
416.30	419.30	3.00	1.85	61.66	0.51	0.83	417.13	SST. Mg'd. with Sn. laminae		
					0.36	0.58	417.71	SST. Mg'd.		
					0.22	0.36	418.07	SST. Mg'd.		
					0.76	1.23	419.30	SST. Mg'd. sideritic		
419.30	420.30	1.00	0.89	89.00	0.69	0.70	420.00	Cr't. with C - streak		

1	2	3	4	5	6	7	8	9	10	11
420.30	422.80	2.50	2.43	97.2	1.06	1.09	421.39	SST. & Sh. Intercalated		Sl.
					0.11	0.11	421.50	SST. Fgd.		
					0.93	0.96	422.46	SST. & Sh. Intercalated		
					0.33	0.34	422.80	SST. Mgd.		
422.80	424.65	1.85	1.85	100.00	1.85	1.85	424.65	SST. Mgd. sideritic		Fr.
424.65	426.00	1.35	1.31	97.03	1.31	1.35	426.00	SST. Mgd. sideritic		Fr.
426.00	428.40	2.40	2.34	97.50	1.23	1.26	427.26	SST. Mgd. sideritic		Sl.
					0.61	0.63	427.89	Sh. with green. bands		
					0.50	0.51	428.40	SST. Mgd.		Fr.
428.40	430.40	2.00	2.00	100.00	0.90	0.90	429.30	SST. Mgd.		Br., Fr.
					0.10	0.10	429.40	SST. Cgd.		
					1.00	1.00	430.40	Sh. with green. bands		
430.40	432.00	1.60	1.57	98.12	1.57	1.60	432.00	SST. & Sh. Intercalated		
432.00	435.00	3.00	2.97	99.00	1.55	1.57	433.57	SST. & Sh. Intercalated		
					0.96	0.97	434.54	SST. Mgd. with Sh. bands		
					0.39	0.39	434.93	SST. & Sh. Intercalated		
					0.07	0.07	435.00	Sh. green.		Br., Sl.
435.00	436.10	1.10	1.08	98.18	0.28	0.28	435.28	Sh. with C - streak		Br., Sl.
					0.80	0.82	436.10	C O L		
436.10	437.85	1.75	1.75	100.00	0.07	0.07	436.17	Coal with Sh. bands		
					0.37	0.37	436.54	Sh. green.		
					0.19	0.19	436.73	SST. Mgd.		

Local (L-6)
Br.

1	2	3	4	5	6	7	8	9	10	11
437.85	439.55	1.70	1.63	95.88	0.97	1.01	438.86	SST. & Sh. Intercalated		
					0.66	0.69	439.55	C O A L		Br.
439.55	441.25	1.70	1.70	100.00	0.13	0.13	439.68	C O A L		Local(L.5)
					0.82	0.82	440.50	Sh. Aren.		Sl.
					0.45	0.45	440.95	SST. Argil.		
441.25	444.35	3.10	3.09	99.67	0.30	0.30	441.25	SST. Mgd. sideritic		
					2.10	2.11	443.36	SST. Qgd.		
444.35	447.45	3.10	3.10	100.00	0.99	0.99	444.35	SST. & Sh. Intercalated		
					0.22	0.22	444.57	SST. Qgd.		Local(L.4)
					0.14	0.14	444.71	C O A L		
					0.73	0.73	445.44	Jh.		
					0.03	0.05	445.49	M.P.		
					0.08	0.08	445.57	Jh.		
					0.17	0.17	445.74	M.P.		
					0.27	0.27	446.01	Sh. baked		
					0.12	0.12	446.13	Sh. sideritic		
					1.12	1.12	447.25	Sh. Aren.		
					0.12	0.12	447.37	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
447.45	450.55	3.10	3.05	98.38	1.02	1.04	448.49	SST. Mgcl. with Sh. band		
					0.56	0.57	449.06	SST. Mgcl. sideritic		
					0.57	0.58	449.64	SST. & Sh. Intercalated		
					0.28	0.28	449.92	Sh. Aren.		
					0.62	0.63	450.55	SST. Argil.		
450.55	452.75	2.20	2.19	99.54	0.08	0.08	450.63	Sh. Aren.		
					0.20	0.20	450.83	COAL		
					0.39	0.39	451.22	SST. Fgd.		
					0.08	0.08	451.30	Sh.		
					0.18	0.18	451.48	SST. Mgcl.		
					0.24	0.24	451.72	Sh. Aren.		
					1.02	1.03	452.75	SST. Mgcl. with Sh. laminae		
452.75	453.10	0.35	0.35	100.00	0.35	0.35	453.10	SST. Mgcl. with Sh. laminae		
453.10	454.60	1.50	1.48	98.66	0.64	0.65	453.75	SST. Mgcl. with Sh. laminae		
					0.13	0.13	453.88	Sh. Aren.		
					0.11	0.11	453.99	SST. Mgcl.		
					0.60	0.61	454.60	SST. & Sh. Intercalated		
454.60	455.15	0.55	0.49	89.09	0.04	0.04	454.64	SST. & Sh. Intercalated		
					0.06	0.07	454.71	SST. Mgcl.		
					0.21	0.24	454.95	Sh. with C - streaks		
					0.18	0.20	455.15	SST. Argil.		
455.15	455.35	0.20	0.20	100.00	0.20	0.20	455.35	SST. Mgcl.		

Local (1-3)

1	2	3	4	5	6	7	8	9	10	11
455.35	456.05	0.70	0.65	92.85	0.31	0.33	455.68	SST. Argil.		
456.05	458.35	2.30	2.30	100.00	0.34	0.37	456.05	SST. Cgd.		
458.35	460.15	1.80	1.74	96.66	0.96	1.00	459.35	Grl t.		
					0.17	0.17	459.52	Sh. with C - streak		
					0.61	0.63	460.15	0 0 L L		
460.15	461.45	1.30	1.27	97.69	0.24	0.25	460.40	Sh. Aren.		
					0.33	0.34	460.74	SST. Argil.		
					0.48	0.49	461.23	SST. & Sh. Intercalated		
					0.11	0.11	461.34	SST. Cgd.		
					0.11	0.11	461.45	SST. Argil.		
461.45	462.30	0.85	0.81	95.29	0.09	0.09	461.54	Sh.		
					0.35	0.37	461.91	SST. & Sh. Intercalated		
					0.37	0.39	462.30	Sh. Aren. band		
462.30	464.50	2.20	2.18	99.09	0.95	0.96	463.26	SST. & Sh. Intercalated		
					0.78	0.79	464.05	Sh. Aren.		
					0.45	0.45	464.50	SST. Argil.		
464.50	467.60	3.10	3.10	100.00	0.35	0.35	464.85	SST. Argil.		
					0.37	0.37	465.22	SST. Fgd. with Sh. bands		
					1.75	1.75	466.97	Grl t.		
					0.63	0.63	467.60	SST. Cgd. sideritic		

Local(L-2)
Br.

1	2	3	4	5	6	7	8	9	10	11
467.60	468.80	1.20	1.18	98.33	1.00	1.02	468.62	Grt.		
					0.18	0.18	468.80	Sh. with Aren. bands		
468.80	470.80	2.00	2.00	100.00	0.15	0.15	468.95	SST. & Sh. Intercalated		
					1.05	1.05	470.00	SST. Mgcl.		
					0.54	0.54	470.54	SST. & Sh. Intercalated		
					0.21	0.21	470.75	Sh. banded.		
470.80	472.05	1.25	1.19	95.2	0.05	0.05	470.80	M.P.		
					0.08	0.08	470.88	M.P.		
					0.11	0.12	471.00	Jh.		
					1.00	1.05	472.05	C O A/L		
472.05	473.85	1.80	1.80	100.00	0.22	0.22	472.27	Sh. with plant fossil		
					0.63	0.63	472.90	SST. Argil.		
473.85	474.70	0.85	0.85	100.00	0.53	0.53	473.43	SST. & Sh. Intercalated		
474.70	476.80	2.10	2.07	98.57	0.42	0.42	473.85	SST. Argil.		
					0.85	0.85	474.70	SST. Qcd.		
					0.78	0.79	475.49	SST. Mgcl.		
476.80	478.70	1.90	1.89	99.47	0.52	0.53	476.02	SST. & Sh. Intercalated		
					0.77	0.78	476.80	SST. Mgcl.		
					0.48	0.48	477.28	SST. Mgcl. with Sh. Laminee		
					0.69	0.70	477.98	SST. & Sh. Intercalated		
					0.08	0.08	478.06	Sh. banded		
					0.31	0.31	478.37	M.P.		

XVI D/E

Br.

Sl.

Fr., Br.

Fr., Sl.

XVI C

*1	2	3	4	5	6	7	8	9	10	11
478.70	480.10	1.40	1.40	100.00	0.22	0.22	478.48	Sh. baked	XVI C	Br.
480.10	481.55	1.45	1.45	100.00	1.45	1.45	480.10	G O L L		
481.55	483.55	2.00	1.99	99.5	0.66	0.66	481.55	G O L L		
					0.64	0.70	482.21	G O L L		Br.
					0.64	0.70	482.91	SST. & Sh. Intercalated		Fr.
					0.22	0.22	483.13	SST. Lrgl.		Fr., S.
					0.42	0.42	483.55	SST. & Sh. Intercalated		Fr.
483.55	486.65	3.10	2.99	96.45	0.12	0.12	483.67	SST. & Sh. Intercalated		
					0.11	0.11	483.78	Sh.		
					0.45	0.47	484.25	SST. & Sh. Intercalated		
					0.14	0.15	484.40	Sh. Lrgl.		
					0.07	0.07	484.47	Sh.		
					0.12	0.12	484.59	Sh. with C - bands		
					0.47	0.49	485.08	SST. & Sh. Intercalated		
					0.19	0.20	485.28	Sh. Lrgl.		
					0.37	0.39	485.67	SST. & Sh. Intercalated		
486.65	489.75	3.10	3.10	100.00	0.95	0.98	486.65	SST. Fed. with Sh. bands		
					0.53	0.53	487.19	SST. Med.		
					0.11	0.11	487.30	SST. Lrgl.		
					0.40	0.40	487.70	Sh. Lrgl.		Fr.

1	2	3	4	5	6	7	8	9	10	11
489.75	490.60	0.85	0.85	100.00	0.24	0.24	489.99	SST. & Sh. Intercalated	Fr., Pr., S.	
490.60	491.35	0.75	0.41	54.66	0.61	0.61	490.60	Sh.	Fr.	
491.35	492.35	1.00	0.50	50.00	0.30	0.55	491.35	Sh.	Br.	
492.35	494.75	2.40	2.07	86.25	0.44	0.88	492.23	Csh.	Br., Pr., S.	
					0.06	0.12	492.35	C O A.L	Br.	
					0.02	0.03	492.35	C O A.L		
					0.97	1.12	493.50	Sh.	Br.	
494.75	495.50	0.75	0.35	46.66	1.00	1.16	494.66	SST. Argil.		
					0.08	0.09	494.75	C O A.L		
					0.18	0.39	495.14	Sh. Aren.		
495.50	497.00	1.50	1.44	96.00	0.17	0.36	495.50	Sh.		
					0.67	0.70	496.30	Sh. with C - streak		
					0.31	0.32	496.52	SST. Argil.		
497.00	498.30	1.30	1.29	99.23	0.46	0.48	497.00	SST. & Sh. Intercalated		
					0.10	0.10	497.10	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
498.30	500.80	2.50	2.43	97.2	0.25	0.25	497.35	C O A L with Sh. streak		
					0.23	0.23	497.58	Sh. with C - streak		Br.
					0.29	0.29	497.87	SST. Argill.		
					0.42	0.43	498.30	SST. & Sh. Intercalated		
					0.38	0.39	498.69	SST. & Sh. Intercalated		
					0.16	0.17	498.86	Csh. with C - streak		
					0.39	0.40	499.26	C O A L		
					0.09	0.09	499.35	Sh. with C - streak		
					0.12	0.12	499.47	C O A L		
					0.10	0.10	499.57	Sh.		
					1.00	1.03	500.60	C O A L		Br.
					0.19	0.20	500.30	Sh. Aren.		
500.80	501.50	0.70	0.67	95.71	0.09	0.09	500.89	Sh.		
					0.13	0.14	501.03	SST. & Sh. Intercalated		
					0.45	0.47	501.50	C O A L		Br.
501.50	504.50	3.00	3.00	100.00	0.04	0.04	501.54	C O A L		
					0.65	0.65	502.19	SST. Argill.		
					0.26	0.26	502.45	SST. Mgd. with Sh. Laminae		
					0.26	0.26	502.71	SST. & Sh. Intercalated		
					0.69	0.69	503.40	SST. Mgd.		
					1.10	1.10	504.50	SST. Ggd.		

XVI MB

1	2	3	4	5	6	7	8	9	10	11
505.15	507.25	2.10	2.10	100.00	2.10	2.10	507.25	SST. Cgd.		
507.25	509.00	1.75	1.75	100.00	1.46	1.46	508.71	Grl t.		
509.00	509.65	0.65	0.65	100.00	0.29	0.29	509.60	SST. Cgd.		
509.65	510.65	1.00	1.00	100.00	0.23	0.23	509.23	SST. Cgd.		
					0.42	0.42	509.65	Grl t.		
					0.09	0.09	509.74	Grl t.		
					0.18	0.18	509.92	SST. Argil.		
					0.64	0.64	510.56	Grl t.		
					0.09	0.09	510.65	C O L L		
510.65	511.35	1.20	1.18	98.33	0.43	0.44	511.09	C O L L		
					0.18	0.18	511.27	Ss. with C - streak		
					0.27	0.28	511.85	C O L L		
511.85	512.95	1.10	1.01	91.81	0.05	0.05	511.90	C O L L		
					0.10	0.11	512.01	So.		
					0.33	0.36	512.37	C O L L		
					0.53	0.53	512.95	SST. Argil.		
512.95	514.10	1.15	1.15	100.00	1.15	1.15	514.10	SST. Argil.		
514.10	516.00	1.90	1.90	100.00	0.09	0.09	514.19	SST. Argil.		
					0.59	0.59	514.78	SST. & Ss. Interbedded		
					0.48	0.48	515.26	SST. Cgd. with Ss. bands		
					0.74	0.74	516.00	SST. Argil.		

XVI

Br., Sl., Fr.

Br., Sl.

Br.

Br.

1	2	3	4	5	6	7	8	9	10	11
516.00	519.05	3.05	3.05	100.00	0.62	0.62	516.62	SST. Argil.		Br., S.
					2.43	2.43	519.05	SST. Qgd. to Grit.		
519.05	522.05	3.00	2.88	96.00	0.40	0.41	519.46	SST. Qgd. to Grit.		
					0.32	0.33	519.79	S. Aren.		
					0.90	0.94	520.73	SST. Mgd.		
					0.45	0.47	521.20	SST. Argil.		
					0.81	0.85	522.05	Grit.		
522.05	525.10	3.05	3.04	99.67	3.04	3.05	525.10	SST. Qgd.		
525.10	528.20	3.10	3.10	100.00	3.10	3.10	528.20	SST. Qgd. to Grit.		
528.20	531.30	3.10	3.10	100.00	0.28	0.28	528.48	SST. Mgd.		
					0.94	0.94	529.42	SST. Qgd.		
					0.36	0.36	529.78	SST. & St. Intercalated		
					0.08	0.08	529.86	St.		
					0.65	0.64	530.50	SST. & St. Intercalated		
					0.15	0.15	530.65	SST. Mgd.		
					0.64	0.65	531.30	SST. Qgd.		
531.30	532.90	1.60	1.60	100.00	1.60	1.60	532.90	SST. Qgd. to SST. Mgd.		
532.90	534.50	1.60	1.60	100.00	0.30	0.30	533.20	Grit.		
					1.30	1.30	534.50	SST. Qgd. to Grit. (Sideritic)		
534.50	536.50	2.00	1.91	95.5	1.91	2.00	536.50	Grit.		

1	2	3	4	5	6	7	8	9	10	11
536.50	537.70	1.20	1.19	99.16	0.25	0.25	536.75	Grilt.		
					0.49	0.50	537.25	SST. & Sh. Intercalated		
					0.22	0.22	537.47	Sh. Argen.		
537.70	540.75	3.05	3.03	99.34	0.23	0.23	537.70	SST. & Sh. Intercalated		
					0.43	0.43	538.13	SST. Mgd. with Sh. Larinae		
					0.07	0.07	538.20	SST. Cgd.		
					0.37	0.37	538.57	SST. & Sh. Intercalated		
					0.81	0.82	539.39	SST. Mgd.		
					0.16	0.16	539.55	SST. & Sh. Intercalated		
					0.61	0.62	540.17	SST. Mgd.		
					0.30	0.30	540.47	SST. Cgd.		
					0.28	0.28	540.75	Grilt.		
540.75	541.95	1.20	1.12	93.33	0.91	0.98	541.73	Grilt.		
					0.21	0.22	541.95	SST. & Sh. Intercalated		
541.95	544.05	2.10	2.10	100.00	0.05	0.05	542.00	SST. & Sh. Intercalated		
					0.11	0.11	542.11	SST. Cgd.		
					0.13	0.13	542.24	SST. Argil.		
					0.22	0.22	542.46	Sh.		
					0.09	0.09	542.55	SST. Cgd.		
					0.11	0.11	542.66	SST. Argil.		
					0.13	0.13	542.79	SST. Cgd.		
					1.26	1.26	544.05	C O A L		

1	2	3	4	5	6	7	8	9	10	11
544.05	546.15	2.10	2.09	99.52	2.09	2.10	546.15	C O L L		Br.
546.15	546.65	0.50	0.50	100.00	0.18	0.18	546.33	O O L with Sh. streak	XV	
546.65	548.15	1.50	1.50	100.00	0.32	0.32	546.65	Sh.		
548.15	550.10	1.95	1.95	100.00	0.66	0.66	547.31	Sh.		
					0.84	0.84	548.15	SST. Argill.		
					0.63	0.63	548.78	SST. Argill.		
					0.56	0.56	549.34	SST. & Sh. Intercalated		
					0.56	0.56	549.90	SST. Cgd. to Mgd.		
					0.11	0.11	550.01	Sh. Aren.		
					0.09	0.09	550.10	SST. Cgd.		
550.10	553.15	3.05	3.05	100.00	1.26	1.26	551.36	SST. Cgd.		
					0.15	0.15	551.51	SST. & Sh. Intercalated		
					1.64	1.64	553.15	SST. Cgd.		
553.15	556.20	3.05	2.97	97.37	0.70	0.72	553.87	SST. Cgd.		
					0.35	0.36	554.23	SST. & Sh. Intercalated		
					0.22	0.23	554.46	SST. Mgd.		
					0.62	0.64	555.10	SST. Cgd.		
					0.69	0.71	555.81	SST. Mgd.		
					0.39	0.39	556.20	Gr t.		
556.20	557.00	0.80	0.80	100.00	0.80	0.80	557.00	Gr t.		
557.00	557.80	0.80	0.73	91.25	0.25	0.27	557.27	SST. Argill.		

1	2	3	4	5	6	7	8	9	10	11
557.80	558.00	0.20	0.12	60.00	0.22	0.24	557.80	SST. Red.		
					0.05	0.08	557.88	SST. Red.		
558.00	560.00	2.00	1.56	78.00	0.07	0.12	558.00	SST. & Sh. Intercolated		
					0.09	0.12	558.12	SST. & Sh. Intercolated		
					0.16	0.21	558.33	SST. Ogd.		
					0.39	0.50	558.83	SST. Argil.		
					0.09	0.12	558.95	Sh.		
					0.29	0.37	559.32	SST. & Sh. Intercolated		
560.00	560.50	0.50	0.45	90.00	0.54	0.68	560.00	Sh.		Br.
					0.05	0.06	560.06	SST. Argil.		
					0.19	0.21	560.27	SST. Mgcl.		
					0.21	0.23	560.50	Sh. Argm.		
560.50	561.15	0.65	0.65	100.00	0.46	0.46	560.96	C O L L		Br.
					0.19	0.19	561.15	Sh. Argm.		
561.15	563.90	2.75	2.75	100.00	0.16	0.16	561.31	SST. & Sh. Intercolated		Local
					0.62	0.62	561.93	C O L L		
					0.18	0.18	562.11	Sh.		
					0.15	0.15	562.26	Sh. with C - streaks		
					0.68	0.62	562.83	Sh.		
563.90	564.65	0.75	0.75	100.00	1.02	1.02	563.90	C O L L		Sh., Ps.
					0.15	0.15	564.05	C O L L		Br.

XIV

1	2	3	4	5	6	7	8	9	10	11
564.65	565.25	0.60	0.60	100.00	0.60	0.60	564.65	Sh.		Br., S.
565.25	565.45	0.20	0.20	100.00	0.20	0.20	565.25	Sh.		
565.45	566.20	0.75	0.37	49.33	0.37	0.75	566.20	SST. Argil.		Br.
566.20	568.30	2.10	0.77	36.66	0.70	1.90	568.10	SST. Argil.		
					0.07	0.20	568.30	SST. Mgd.		
568.30	569.50	1.20	0.82	68.33	0.53	0.78	569.08	SST. Mgd.		Less recovery due
					0.20	0.29	569.37	SST. & S. Intercalated		fault Zones
					0.09	0.13	569.50	SST. Mgd.		
569.50	570.30	0.80	0.30	37.5	0.30	0.80	570.30	SST. Mgd. sideritic		Fr.
570.30	571.50	1.20	0.82	68.33	0.82	1.20	571.50	SST. Mgd.		Fr.
571.50	572.00	0.50	0.49	98.00	0.49	0.50	572.00	SST. Mgd.		
572.00	573.00	1.00	0.91	91.00	0.53	0.59	572.59	SST. Mgd.		
					0.38	0.41	573.00	Gr.t.		
573.00	574.70	1.70	1.70	100.00	1.00	1.00	574.00	Gr.t.		
					0.70	0.70	574.70	SST. Mgd. to Qgd.		
574.70	577.75	3.05	3.05	100.00	0.85	0.85	575.55	SST. Qgd. with quartz pebbles		
					1.00	1.00	576.55	SST. Mgd.		
					1.20	1.20	577.75	Gr.t.		
577.75	580.80	3.05	3.02	99.01	2.18	2.20	579.95	Gr.t.		
					0.70	0.71	580.66	SST. Qgd. to Mgd		
							580.80	SST. & S. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
580.80	583.00	2.20	2.77	98.63	1.20	1.21	582.01	SST. Cgd.		
					0.55	0.56	582.57	SST. & Sh. Intercalated		
					0.42	0.43	583.00	SST. Mgcl. with Sh. Laminæ		
583.00	583.90	0.90	0.89	98.68	0.18	0.18	583.18	SST. Mgcl.		
					0.37	0.38	583.56	SST. & Sh. Intercalated		
					0.21	0.21	583.77	SST. Mgcl.		
					0.13	0.13	583.90	SST. & Sh. Intercalated		
583.90	585.05	1.15	1.12	97.39	0.31	0.32	584.22	SST. Mgcl.		
					0.81	0.83	585.05	SST. & Sh. Intercalated		
585.05	586.05	1.00	0.93	93.00	0.93	1.00	586.05	SST. & Sh. Intercalated		
586.05	588.90	2.85	2.84	99.64	0.06	0.06	586.11	SST. & Sh. Intercalated		
					0.78	0.78	586.89	SST. Mgcl. with Sh. bands		
					0.21	0.21	587.10	SST. & Sh. Intercalated		
					0.10	0.10	587.20	SST. Mgcl.		
					1.69	1.70	588.90	SST. & Sh. Intercalated		
588.90	589.80	0.90	0.84	93.33	0.57	0.61	589.51	SST. & Sh. Intercalated		
					0.27	0.29	589.80	SST. Cgd.		
589.80	591.35	1.55	1.52	98.06	1.02	1.03	590.83	Grit with G - bands		
					0.20	0.21	591.04	SST. Mgcl.		
					0.30	0.31	591.25	SST. Cgd.		
591.35	591.70	0.35	0.33	94.28	0.33	0.35	591.70	SST. Cgd.		
591.70	592.95	1.25	1.25	100.00	0.30	0.30	592.00	SST. Cgd.		

Fr.

1	2	3	4	5	6	7	8	9	10	11
592.95	594.85	1.90	1.90	100.00	0.45	0.45	592.45	SST. & Sh. Intercalated		
594.85	596.00	1.15	1.15	100.00	0.50	0.50	592.95	SST. Cgd.		
596.00	598.25	2.25	2.25	100.00	1.15	1.15	594.85	SST. Cgd. to Grit.		
598.25	599.00	0.75	0.75	100.00	2.25	2.25	596.00	SST. Cgd.		
599.00	601.40	2.40	2.40	100.00	0.75	0.75	598.25	SST. Cgd.		
					1.75	1.75	599.00	SST. Cgd.		
					0.13	0.13	600.75	SST. Cgd.		
					0.52	0.52	600.85	Sh.		
601.40	602.45	1.05	1.04	99.04	1.04	1.05	601.40	SST. & Sh. Intercalated		
602.45	605.30	2.85	2.85	100.00	0.70	0.70	602.45	SST. & Sh. Intercalated		
					1.10	1.10	603.15	SST. & Sh. Intercalated		
					0.45	0.45	604.25	SST. Mgd. with Sh. Laminae		
					0.60	0.60	604.70	SST. & Sh. Intercalated		
					0.92	0.92	605.30	SST. Mgd. with Sh. Laminae		
605.30	606.70	1.40	1.40	100.00	0.48	0.48	606.22	SST. & Sh. Intercalated		
606.70	608.45	1.75	1.70	97.14	1.12	1.15	606.70	Sh.		
					0.58	0.60	607.85	SST. & Sh. Intercalated		
608.45	609.60	1.15	1.15	100.00	1.15	1.15	608.45	SST. & Sh. Intercalated		
609.60	611.65	2.05	1.96	95.60	0.09	0.09	609.60	SST. & Sh. Intercalated		
					0.50	0.52	609.69	SST. & Sh. Intercalated		
							610.21	SST. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
611.65	614.30	2.65	2.64	99.62	0.55	0.58	610.98	SST. Mgcl. with Sh. Laminæ		
					0.31	0.32	611.30	SST. & Sh. Intercalated		
					0.33	0.35	611.65	SST. Mgcl. with Sh. bands		
					0.20	0.20	611.85	SST. Mgcl.		
					0.61	0.61	612.46	SST. & Sh. Intercalated		
					1.02	1.03	613.49	SST. Mgcl. with Sh. Laminæ		
					0.45	0.45	613.94	SST. & Sh. Intercalated		
					0.36	0.36	614.30	SST. Opd. with Sh. bands.		
614.30	617.30	3.00	2.94	98.00	0.10	0.10	614.40	SST. & Sh. Intercalated		
					0.64	0.65	615.05	SST. Mgcl.		
					0.21	0.21	615.26	Sh. Aren.		
					0.07	0.07	615.33	SST. Fgd.		
					0.36	0.37	615.70	SST. & Sh. Intercalated		
					0.10	0.10	615.80	SST. Mgcl.		
					0.15	0.15	615.95	SST. & Sh. Intercalated		
					0.91	0.93	616.88	SST. Mgcl. with Sh. bands		
617.30	618.50	1.20	1.17	97.50	0.40	0.42	617.30	SST. & Sh. Intercalated		Fr.
					0.24	0.25	617.55	Sh. Aren.		
					0.93	0.95	618.50	Sh.		Fr.
618.50	621.05	2.55	2.55	100.00	1.20	1.20	619.70	Sh.		
					0.77	0.77	620.47	SST. & Sh. Intercalated		
					0.20	0.20	620.67	Sh.		
					0.38	0.38	621.05	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
621.05	622.95	1.90	1.87	98.42	0.39	0.40	621.45	SST. Argil.		
					0.52	0.53	621.98	SST. & Sh. Intercalated		
					0.96	0.97	622.95	G O A L		
622.95	625.00	2.05	1.98	96.58	0.08	0.08	623.03	G O A L		Fr.
					0.14	0.14	623.17	COLL. with Sh. Laminæ		
					0.09	0.09	623.26	Jh.		
					0.03	0.03	623.29	M.P.		
					0.30	0.31	623.60	Jh.		
					0.20	0.20	623.80	G O A L		
					0.15	0.15	623.95	Jh.		
					0.99	1.05	625.00	G O A L		Br.
625.00	626.65	1.65	1.55	93.93	0.87	0.93	625.93	G O A L		Br., Fr., S.
					0.48	0.51	626.44	Sh. with C - streak		
					0.20	0.21	626.65	SST. & Sh. Intercalated		
626.65	629.75	3.10	3.10	100.00	0.15	0.15	626.80	SST. & Sh. Intercalated		
					0.31	0.31	627.11	SST. Fgd. with Sh. Laminæ		
					0.21	0.21	627.32	Sh. with C - streak		
					0.26	0.26	627.58	SST. Mgd. with Sh. Laminæ		
					0.15	0.15	627.73	SST. & Sh. Intercalated		
					0.06	0.06	627.79	Sh.		

XIII

1	2	3	4	5	6	7	8	9	10	11
629.75	632.55	2.80	2.80	100.00	0.73 0.70 1.40	0.73 0.70 1.40	629.05 629.75 631.15	Sh. with C - bands SST. Argill. SST. & Sh. Intercalated		
					0.37 0.84 0.10	0.37 0.84 0.10	631.52 632.36 632.46	Sh. with C - streak SST. & Sh. Intercalated Sh.		
632.55	633.55	1.00	0.98	98.00	0.09 0.24 0.09	0.09 0.25 0.09	632.55 632.80 632.89	SST. & Sh. Intercalated SST. & Sh. Intercalated SST. Fgd.		
					0.11 0.09 0.25	0.11 0.09 0.26	633.00 633.09 633.35	SST. & Sh. Intercalated SST. Fgd. SST. & Sh. Intercalated		
633.55	635.70	2.15	1.96	91.16	0.20 0.72 0.30	0.20 0.79 0.33	633.55 634.34 634.67	SST. Fgd. with Sh. band. SST. & Sh. Intercalated SST. Argill.		
					0.62 0.32	0.68 0.35	635.35 635.70	SST. & Sh. Intercalated SST. Mgd.		
635.70	637.20	1.50	0.48	32.00	1.48	1.50	637.20	SST. Mgd. with Sh. Laminæ		
637.20	638.75	1.55	1.55	100.00	0.34 0.47 0.74	0.34 0.47 0.74	637.54 638.01 638.75	SST. & Sh. Intercalated Sh. with C - streak SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
638.75	641.75	3.00	2.99	99.66	0.33	0.33	639.08	SST. & Sh. Intercalated		
					0.28	0.28	639.36	Sh. sidariitic		
					0.13	0.13	639.49	SST. Megl.		
					0.75	0.75	640.24	Sh.		
					1.50	1.51	641.75	C O A.L		Br.
641.75	643.25	1.50	1.35	90.00	1.35	1.50	643.25	C O A.L		
643.25	644.75	1.50	1.47	98.00	1.47	1.50	644.75	C O A.L		
644.75	646.65	1.90	1.90	100.00	0.96	0.96	645.71	SST. & Sh. Intercalated		V. fr. Fr.
					0.51	0.51	646.22	Sh.		
					0.43	0.43	646.65	SST. & Sh. Intercalated		
646.65	647.70	1.05	1.04	99.04	1.04	1.05	647.70	SST. & Sh. Intercalated		
647.70	648.70	1.00	0.97	97.00	0.60	0.62	648.32	SST. & Sh. Intercalated		
					0.37	0.36	648.70	Sh.		Br., Fr.
648.70	650.15	1.45	1.43	98.62	0.43	0.43	649.13	SST. Argil.		
					1.00	1.02	650.15	Sh.		
650.15	652.25	2.10	2.09	99.52	0.05	0.05	650.20	Sh.		
					0.40	0.40	650.60	Sh. Aren.		
					0.26	0.26	650.86	SST. Argil.		
					1.29	1.30	652.16	Sh. Aren.		
					0.09	0.09	652.25	SST. Argil.		

XI/XII

V. fr. Fr.

Br.

1	2	3	4	5	6	7	8	9	10	11
652.25	653.25	1.00	0.97	97.00	0.56	0.58	652.83	SST. & Sh. Intercalated		
					0.28	0.29	653.12	SST. Aregl.		
653.25	656.35	3.10	3.06	99.35	0.13	0.13	653.25	SST. & Sh. Intercalated		
					0.54	0.54	653.79	SST. Aregl.		
					0.41	0.41	664.20	SST. & Sh. Intercalated		
					0.31	0.31	654.51	SST. Qgd.		
					0.18	0.18	654.69	SST. & Sh. Intercalated		
					1.64	1.66	656.35	SST. Qgd.		
656.35	659.40	3.05	3.05	100.00	0.24	0.24	656.59	SST. Qgd.		
					0.27	0.27	656.86	SST. Mgd.		
					2.03	2.03	658.89	Sh. with C - baked		
					0.17	0.17	659.06	Sh. sideritic		
659.40	662.50	3.10	3.10	100.00	0.34	0.34	659.40	Sh. Aregl.		
					0.84	0.84	660.24	Sh. Aregl.		
					0.13	0.13	660.37	SST. & Sh. Intercalated		
					1.76	1.76	662.13	Sh. Aregl.		
662.50	663.20	0.70	0.70	100.00	0.37	0.37	662.50	SST. & Sh. Intercalated		
					0.70	0.70	663.20	Sh. Aregl.		
663.20	665.35	2.15	2.08	96.74	0.98	1.02	664.22	Sh. Aregl.		
					1.02	1.05	665.27	Sh. with C - streak		
					0.08	0.08	665.35	Sh. Aregl.		

SL.

1	2	3	4	5	6	7	8	9	10	11
665.35	666.40	1.05	1.05	100.00	0.92	0.92	666.27	Sh. Lren.		
					0.13	0.13	666.40	SST. & Sh. Intercalated		
666.40	667.50	1.10	1.04	94.54	0.38	0.40	666.80	SST. Mgnd.		
					0.66	0.70	667.50	SST. Cgd.		
667.50	668.70	1.20	1.17	97.5	1.17	1.20	668.70	SST. Mgnd. to Cgd.		
668.70	670.70	2.00	1.99	99.5	0.39	0.39	669.09	SST. Mgnd. to Cgd.		
					1.60	1.61	670.70	SST. Cgd.		
670.70	673.60	2.90	2.90	100.00	0.40	0.40	671.10	SST. Cgd.		
					2.50	2.50	673.60	Grilt.		
673.60	674.90	1.30	1.30	100.00	0.28	0.28	673.88	Sh.		
					1.02	1.02	674.90	SST. & Sh. Intercalated		
674.90	676.80	1.90	1.81	95.26	0.58	0.61	675.51	SST. & Sh. Intercalated		
					0.43	0.45	675.96	Sh. Lren.		
					0.69	0.72	676.68	Sh. with C - strrak		
					0.11	0.12	676.80	SST. & Sh. Intercalated		
676.80	677.80	1.00	0.98	98.00	0.21	0.21	677.01	SST. & Sh. Intercalated		
					0.77	0.79	677.80	Sh.		
677.80	679.45	1.65	1.64	99.39	1.64	1.65	679.45	Sh.		
679.45	681.00	1.55	1.48	95.48	0.16	0.17	679.62	Cch.		
					1.07	1.12	680.74	Sh.		

Fr., S., Ps.

Br.

Fr., S., Ps.

1	2	3	4	5	6	7	8	9	10	11
681.00	682.90	1.90	1.79	91.21	0.25	0.27	681.27	Csh.		
					0.40	0.42	681.69	Sh.		Fr., S.
					0.46	0.49	682.18	Sc.		
					0.68	0.72	682.90	Csh. -th C - streak		Br.
682.90	684.30	1.40	1.40	100.00	0.16	0.16	683.06	Sc.		
					1.24	1.24	684.30	C O A L		Br., Fr.
684.30	686.20	1.90	1.86	97.89	1.86	1.90	686.20	C O A L		Br.
686.20	687.50	1.30	1.25	96.15	0.16	0.16	686.36	Sc.		
					0.90	0.95	687.31	C O A L		Br.
					0.14	0.14	687.45	Sc.		
					0.05	0.05	687.50	C O A L		
687.50	688.60	1.10	1.08	98.18	1.08	1.10	688.60	C O A L		Br.
688.60	690.85	2.25	2.24	99.55	2.24	2.25	690.85	C O A L		Fr., Br.
690.85	691.50	0.65	0.65	100.00	0.08	0.08	690.93	Sh. Sideritic		
					0.31	0.31	691.24	C O A L		Br.
					0.11	0.11	691.35	C O A L with Sh. Lamination		
					0.15	0.15	691.50	Sh. with C - streak		
691.50	694.00	2.50	2.44	97.6	0.56	0.57	692.07	SST. & Sh. Interbedded		
					1.88	1.93	694.00	C O A L		Fr., Br.
694.00	695.15	1.15	1.09	94.78	0.15	0.16	694.16	C O A L		
					0.22	0.23	694.39	Sc.		
					0.54	0.57	694.96	C O A L		Br.

IX/X

VIII C

1	2	3	4	5	6	7	8	9	10	11
695.15	697.30	2.15	2.14	99.53	0.18	0.19	695.15	SST. Fgd. sideritic with C - bands		
697.30	699.85	2.55	2.55	100.00	0.85	0.85	696.00	SST. Fgd. sideritic		
					1.29	1.30	697.30	SST. & Sh. Intercalated		
					0.26	0.26	697.56	SST. & Sh. Intercalated		
					1.27	1.27	698.83	SST. Mgd.		
					0.50	0.50	699.33	SST. & Sh. Intercalated		
					0.45	0.45	699.78	SST. Mgd.		
					0.07	0.07	699.85	SST. & Sh. Intercalated		
699.85	700.55	0.70	0.67	95.71	0.36	0.38	700.23	SST. & Sh. Intercalated		
					0.13	0.13	700.36	Sh. Aren.		V. Fr. S.
					0.18	0.19	700.55	SST. & Sh. Intercalated		S., Fr.
700.55	702.15	1.60	1.60	100.00	1.60	1.60	702.15	SST. & Sh. Intercalated		
702.15	703.50	1.35	1.35	100.00	0.07	0.07	702.22	Sh. Aren.		
					0.12	0.12	702.34	Sh. with C - bands		
					0.11	0.11	702.45	Gsh.		
					1.05	1.05	703.50	G O A L		
703.50	704.50	1.00	0.92	92.00	0.69	0.74	704.24	G O A L		
					0.23	0.26	704.50	SST. Argill.		
704.50	706.60	2.10	2.10	100.00	0.78	0.78	705.28	SST. Argill.		
					0.45	0.45	705.73	Sh. sideritic		

VIII B

Br., Fr.
Fr.

Fr.

1	2	3	4	5	6	7	8	9	10	11
706.60	709.70	3.10	3.10	100.00	0.18 0.10 0.24 0.27 0.31 0.31 1.21 0.48 0.28	0.18 0.10 0.24 0.27 0.31 0.31 1.21 0.48 0.28	706.50 706.60 706.84 707.11 707.42 707.73 708.94 709.42 709.70	SST. Mgd. Sh. Aren. SST. Mgd. Sh. Aren. SST. Pgd. Sh. Aren. SST. Mgd. to Cgd. Grit. SST. Cgd.		
709.70	712.75	3.05	3.05	100.00	1.78 0.57 0.70	1.78 0.57 0.70	711.48 712.05 712.75	SST. Cgd. to Grit. SST. Cgd. Grit.		
712.75	715.85	3.10	3.10	100.00	1.24 0.42 0.44 1.00 0.15	1.24 0.42 0.44 1.00 0.15	713.99 714.41 714.85 715.85 716.00	SST. Cgd. Grit. SST. & Sh. Intercalated SST. Cgd. to Grit. Grit.		
715.85	718.90	3.05	3.05	100.00	0.94 0.45 0.58 0.93	0.94 0.45 0.58 0.93	716.94 717.39 717.97 718.90	SST. Cgd. Grit. SST. Cgd. Sh.		

Br., Pa.

BORE HOLE NO. MB - 4.

II/933

1	2	3	4	5	6	7	8	9	10	11
718.90	720.95	2.05	2.01	98.05	1.07	1.11	720.01	\$1.		
					0.40	0.40	720.41	\$1. Over.		
					0.54	0.54	720.95	SST. Argill.		
720.95	722.05	1.10	1.10	100.00	0.34	0.34	721.29	SST. Fgd. with \$1. bands		
					0.50	0.50	721.79	SST. Argill.		
					0.26	0.26	722.05	SST. Fgd. with \$1. bands		
722.05	722.80	0.75	0.70	93.33	0.39	0.42	722.47	SST. Qcd. to Grt. l.		Br.
					0.31	0.33	722.80	\$1.		Fr., Sl., Ps.
722.80	724.80	2.00	2.00	100.00	0.13	0.13	722.93	\$1.		
					1.16	1.16	724.09	\$1. Green.		
					0.43	0.43	724.52	SST. & \$1. Intercalated		
					0.28	0.28	724.80	\$1. Green.		
724.80	727.85	3.05	3.05	100.00	3.05	3.05	727.85	\$1. Green.		Br., Fr.
727.85	730.00	2.15	1.99	92.55	1.52	1.64	729.49	\$1. Green.		
					0.14	0.15	729.64	\$1.		
					0.22	0.24	729.88	0 0 L.L.		
					0.11	0.12	730.00	\$1.		
730.00	732.05	2.05	2.05	100.00	0.85	0.85	730.85	\$1. Green.		
					0.30	0.30	731.15	SST. & \$1. Intercalated		
					0.90	0.90	732.05	SST. Mgd.		
732.05	733.40	1.35	1.35	100.00	1.35	1.35	733.40	SST. Qcd.		

1	2	3	4	5	6	7	8	9	10	11
733.40	735.10	1.70	1.70	100.00	1.03	1.03	734.43	Sh. Aren.		
735.10	737.10	2.00	2.00	100.00	0.67	0.67	735.10	Co. L.L.		Br.
					1.48	1.48	736.58	Co. L.L.		Br.
					0.07	0.07	736.65	Sh.		
					0.45	0.45	737.10	Sc.		
737.10	738.90	1.80	1.74	96.66	0.11	0.12	737.22	Co. L. with Sh. Laminæ		Br.
					0.09	0.09	737.31	Sh.		
					0.54	0.56	737.87	SST. Fgd.		
					1.00	1.03	738.90	Sh. Aren.		
738.90	740.20	1.30	1.30	100.00	0.40	0.40	739.30	Sh. Aren.		
					0.90	0.90	740.20	SST. Fgd.		
740.20	742.10	1.90	1.86	97.89	1.25	1.28	741.48	SST. Fgd. with Sh. Laminæ		
					0.48	0.49	741.97	SST. & Sh. Interbedded		V. Fr.
					0.13	0.13	742.10	SST. Fgd.		
742.10	743.00	0.90	0.90	100.00	0.33	0.33	742.43	SST. Fgd. with Sh. Laminæ		
					0.57	0.57	743.00	SST. Mgd.		
743.00	745.55	2.55	2.55	100.00	0.41	0.41	743.41	SST. Mgd.		
					0.20	0.20	743.61	SST. Ogd.		
					0.33	0.33	743.94	SST. Fgd.		
					1.61	1.61	745.55	SST. Ogd. with Quartz pebble		
745.55	746.35	0.80	0.80	100.00	0.80	0.80	746.35	SST. Ogd. with Quartz pebble		

1	2	3	4	5	6	7	8	9	10	11
746.35	747.20	0.85	0.84	98.82	0.84	0.85	747.20	SST. Cgd.		
747.20	749.50	2.30	2.30	100.00	0.20	0.20	747.40	Csh.		
					0.75	0.75	748.15	C O L L		
					0.45	0.45	748.55	Csh.		
					0.95	0.95	749.50	C O L L		
749.50	751.00	1.50	1.46	97.33	0.14	0.14	749.64	C O L L		
					0.05	0.05	749.69	Sh.		
					0.14	0.14	749.83	Csh.		
					0.18	0.18	750.01	C O L L		
					0.36	0.38	750.39	Sh.		
					0.29	0.29	750.68	Sc.		
					0.30	0.32	751.00	Sh.		
751.00	752.50	1.50	1.46	97.33	0.16	0.16	751.16	Sh.		
					1.04	1.08	752.24	C O L L		
					0.26	0.26	752.50	Sh.		
752.50	755.10	2.60	2.50	96.15	0.60	0.62	753.12	Sh.		
					0.99	1.03	754.15	C O L L		
					0.11	0.11	754.26	Csh.		
					0.10	0.10	754.36	Sc.		
					0.70	0.74	755.10	C O L L		
755.10	755.60	0.50	0.50	100.00	0.50	0.50	755.60	C O L L		

V/VI/VII

Fr., S.

Fr.

Br.

Br.

Br., V. Fr., Fr.

Fr., S.

Br.

Fr., Br.

1	2	3	4	5	6	7	8	9	10	11
755.60	757.00	1.40	1.35	96.42	1.35	1.40	757.00	0 0 A L		
757.00	758.60	1.60	1.56	97.5	1.56	1.60	758.60	0 0 A L		
758.60	760.00	1.40	1.40	100.00	0.14	0.14	758.74	0 0 A L		Br.
					0.55	0.55	759.29	Csh.		
					0.23	0.23	759.52	Sc.		
					0.36	0.36	759.88	Csh.		
					0.12	0.12	760.00	Sn.		
760.00	761.00	1.00	0.92	92.00	0.60	0.65	760.65	Sn. with C - streaks		
					0.10	0.11	760.76	0 0 A L		
					0.22	0.24	761.00	Csh.		
761.00	762.00	1.00	1.00	100.00	0.66	0.66	761.66	Sn.		
					0.09	0.09	761.75	Sc.		Br.
					0.25	0.25	762.00	Sn.		Br.
762.00	764.00	2.00	2.00	100.00	1.03	1.03	763.03	Sn.		
					0.97	0.97	764.00	0 0 A L		
764.00	766.30	2.30	2.09	90.86	0.24	0.30	764.30	Sc.		Br., S., Ps.
					1.85	2.00	766.30	0 0 A L		Br.
766.30	767.30	1.00	1.00	100.00	1.00	1.00	767.30	0 0 A L		Br.
767.30	768.30	1.00	0.99	99.00	0.09	0.09	767.39	0 0 A L		Br., S., Ps.
					0.90	0.91	768.30	Sn.		Br., S., Ps.

V/VII/VIII

BORE HOLE NO. MB - 4.

IL/937

1	2	3	4	5	6	7	8	9	10	11
768.30	770.00	1.70	1.67	98.23	1.05	1.08	769.38	C O A L		
					0.23	0.23	769.61	Cash.		
					0.39	0.39	770.00	C O A L		
770.00	770.80	0.80	0.80	100.00	0.80	0.80	770.80	C O A L		Br.
770.80	771.80	1.00	0.98	98.00	0.68	0.69	771.49	C O A L		Br.
					0.20	0.21	771.70	Sh.		Sl., Ps.
					0.10	0.10	771.80	Grt. t.		
771.80	772.90	1.10	1.10	100.00	1.10	1.10	772.90	Grt. t.		

V/VI/VII

BORE HOLE CLOSED AT 772.90 M. ON 25-10-1978

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. MB - 4.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
XVIII C	357.69	359.36	1.67	
XVIII B	364.00	364.63	0.63 Jh.	
	364.63	365.64	1.01	
XVII A	384.41	384.53	0.12	
	413.55	414.15	0.60 Jh. + M.P., C	
XVII	414.15	414.45	0.30	
Local (L-6)	435.28	436.17	0.89	
Local (L-5)	438.86	439.66	0.80	
Local (L-4)	444.57	445.74	1.17 C, Jh, M.P.	
Local (L-3)	450.63	450.83	0.20	
Local (L-2)	459.52	460.15	0.63	
XVI D/E	470.75	471.14	0.39 Jh. + M.P.	
	471.14	472.05	0.91 C.	
XVIC	478.06	482.21	4.15 Jh. C.	
XVI A/B	498.86	500.65	1.79	
XVI	510.56	512.27	1.71	
XV	542.79	546.33	3.54	
Local	560.50	560.96	0.46	
	561.31	561.93	0.62	
XIV	562.88	564.05	1.17	
XIII	621.098	625.93	3.95 Jh + G.	
Local (L-1)	627.79	628.32	0.53	
XI/XII	640.24	644.75	4.51	
LI/X	683.08	691.35	8.27	
VIII C	692.16	694.96	2.80	
VIII B	702.45	704.34	1.89	
VIII	734.69	736.53	1.84	
V/VI/VII	747.40	771.49	24.09	

II/939

B O R E H O L E N O MB-5.

Latitude : 19306.2491

R. L. of Collar : 203.846 m.

Commenced on : 17.7.1978

Departure : 23737.1469

Depth drilled : 793.75 m.

Completed on : 8.2.1979

All dimensions in metre:

R U M		Thickness	RECOVERY		THICKNESS		Depth of floor	L I T H O L O G Y	Seen Correlation	Structural Features.
From	To		Recovered	Percent	Recovered	Extrapolated				
1	2	3	4	5	6	7	8	9	10	11
0.00	3.00	3.00	-	-	-	-	3.00	Soil		
3.00	3.70	0.70	-	-	-	-	3.70	Soil ! Weathered zone		
3.70	6.70	3.00	1.05	35.00	1.05	3.00	6.70	SST. Med.		
6.70	9.80	3.10	2.42	78.06	0.42	0.52	7.22	St. Argil.		
			2.00		2.00	2.58	9.80	SST. Argil.		
9.80	12.80	3.00	2.00	66.66	0.98	1.45	11.25	SST. & St. Interclated		
					0.58	0.90	12.15	SST. Fed. with St. laminee		
					0.44	0.65	12.80	SST. & St. Interclated		
12.80	15.80	3.00	2.84	94.66	0.42	0.44	13.24	SST. & St. Interclated		
					0.30	0.32	13.56	SST. Argil.		
					0.87	0.92	14.48	St. with Argil. bands		
					0.28	0.30	14.78	SST. Med.		

1	2	3	4	5	6	7	8	9	10	11
15.80	18.80	3.00	1.86	62.00	1.11	1.79	17.59	SST. & Sh. Intercalated		
					0.75	1.21	18.80	SST. Fed.		
18.80	21.80	3.00	2.90	96.66	1.51	1.56	20.36	SST. Fed.		
					1.39	1.44	21.80	SST. Argil.		
21.80	24.80	3.00	2.94	98.00	0.37	0.37	22.17	SST. Argil.		V. fr.
					0.52	0.53	22.70	Sh. with Aren. bands		
					0.39	0.41	23.11	SST. Argil.		
					0.94	0.96	24.07	Sh.		V. fr.
					0.72	0.73	24.80	SST. Mgd.		
24.80	27.80	3.00	2.47	82.33	2.00	2.43	27.23	SST. Mgd.		
					0.36	0.44	27.67	SST. & Sh. Intercalated		
					0.11	0.13	27.80	SST. Mgd.		
27.80	30.80	3.00	2.66	88.66	0.39	0.44	28.24	SST. Mgd.		
					1.68	1.89	30.13	SST. & Sh. Intercalated		
					0.41	0.46	30.59	SST. Argil.		
					0.18	0.21	30.80	SST. Fed.		
30.80	33.30	2.50	2.42	96.8	0.06	0.06	30.86	SST. Fed.		
					0.22	0.23	31.09	Sh.		
					0.27	0.28	31.37	SST. Fed. with Sh. bedded		
					0.16	0.16	31.53	Sh.		
					0.14	0.14	31.67	SST. Mgd.		Fr.
					0.17	0.18	31.85	SST. & Sh. Intercalated		
					1.40	1.45	33.30	SST. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
33.30	35.35	2.05	2.05	100.00	0.55	0.55	33.85	SST. Mgd. with Sh. baked		
35.35	38.40	3.05	3.05	100.00	1.50	1.50	35.35	SST. & Sh. Intercalated		
					0.34	0.34	35.69	SST. & Sh. Intercalated		
					0.56	0.56	36.25	SST. Mgd.		
					0.78	0.78	37.03	SST. Fgd. with Sh. bands		
					0.78	0.78	37.81	SST. & Sh. Intercalated		
38.40	38.70	0.30	0.26	86.66	0.59	0.59	38.40	SST. Cgd. with Quartz pebbles		
38.70	41.70	3.00	2.85	95.00	0.26	0.20	38.70	SST. Cgd. with C - streak.		
					1.77	1.86	40.56	SST. Cgd. with C - streak.		
					0.08	0.08	40.64	SST. Fgd.		
					0.12	0.13	40.77	Sh. Aren.		
					0.88	0.93	41.70	SST. Mgd.		
41.70	44.75	3.05	3.05	100.00	2.43	2.43	44.13	SST. Mgd.		
					0.25	0.25	44.38	SST. Fgd.		
					0.37	0.37	44.75	SST. Mgd.		
44.75	47.80	3.05	3.04	99.67	2.50	2.51	47.26	SST. Cgd.		
					0.54	0.54	47.80	SST. Argil.		
47.80	50.85	3.05	3.05	100.00	1.18	1.18	48.98	SST. Argil.		
					0.33	0.33	49.31	SST. & Sh. Intercalated		
					0.98	0.98	50.29	SST. Argil.		

1	2	3	4	5	6	7	8	9	10	11
50.85	51.85	1.00	1.00	100.00	0.36	0.36	50.85	SST. Med.		
51.85	53.95	2.0	2.0	100.00	1.00	1.00	51.85	SST. & Sh. Intercalated		
					0.35	0.35	52.20	SST. & Sh. Intercalated		
					0.40	0.40	52.60	SST. Med. with Sh. 1 annuæ		
					1.16	1.16	53.76	SST. & Sh. Intercalated		V. fr.
					0.13	0.13	53.89	SST. Argil.		
53.95	57.05	3.0	3.0	100.00	0.06	0.06	53.95	SST. & Sh. Intercalated		
					1.61	1.61	55.56	SST. & Sh. Intercalated		V. fr.
					1.34	1.34	56.90	SST. Cgd. with Sh. 1 annuæ		
57.05	60.10	3.05	3.05	100.00	0.15	0.15	57.05	SST. & Sh. Intercalated		
					0.71	0.71	57.76	SST. & Sh. Intercalated		
60.10	63.10	3.00	3.00	100.00	2.34	2.34	60.10	SST. Cgd.		
63.10	66.15	3.05	3.05	100.00	3.00	3.00	63.10	SST. Cgd.		
					0.59	0.59	63.69	SST. Cgd.		
66.15	69.25	3.0	3.0	100.00	2.45	2.45	66.15	SST. & Sh. Intercalated		V. fr., Br.
					3.0	3.0	66.61	SST. & Sh. Intercalated		
					0.25	0.25	66.86	SST. Med.		
					0.48	0.48	67.34	SST. & Sh. Intercalated		V. fr.
					1.20	1.20	68.54	SST. Cgd.		
69.25	72.35	3.0	3.0	100.00	0.71	0.71	69.25	SST. Med. with Sh. 1 annuæ		
					0.08	0.08	69.33	SST. Argil.		
					0.11	0.11	69.44	SST. Med. with Sh. bands		

BORE HOLE NO. MB - 5.

1	2	3	4	5	6	7	8	9	10	11
72.35	73.35	1.00	1.00	100.00	0.23	0.23	72.58	SST. Mgcl.		
					0.41	0.41	72.99.	SST. Mgcl. with Sh. Laminae		
					0.36	0.36	73.35	SST. & Sh. Intercalated		
73.35	75.45	2.10	2.10	100.00	0.69	0.69	74.04	SST. & Sh. Intercalated		
					0.13	0.13	74.17	SST. Argill.		
					0.28	0.28	74.45	SST. & Sh. Intercalated		
					0.36	0.36	74.81	SST. Argill.		
					0.28	0.28	75.09	SST. & Sh. Intercalated		
					0.36	0.36	75.45	SST. Argill.		
75.45	78.55	3.10	3.05	98.38	0.75	0.77	76.22	SST. Argill.		
					1.61	1.64	77.86	SST. & Sh. Intercalated		
					0.12	0.12	77.96	SST. Argill.		
					0.22	0.22	78.20	SST. Gcd.		
					0.07	0.07	78.27	SST. Argd.		
					0.28	0.28	78.55	SST. & Sh. Intercalated		
78.55	81.65	3.10	3.05	98.38	0.36	0.37	78.92	SST. Argill.		
					0.99	1.01	79.93	SST. & Sh. Intercalated		
					0.20	0.20	80.13	SST. Argill.		
					1.50	1.52	81.65	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
84.75	87.85	3.10	3.10	100.00	0.29	0.29	82.29	SST. Cgd.		
					0.49	0.49	82.78	SST. Argil.		V. Fr.
					1.97	1.97	84.75	SST. & Sh. Intercalated		
					0.29	0.29	85.04	SST. & Sh. Intercalated		
					0.21	0.21	85.25	SST. Argil.		
					2.60	2.60	87.85	SST. & Sh. Intercalated		Fr.
87.85	89.85	2.00	1.97	96.5	0.27	0.27	86.12	SST. & Sh. Intercalated		Fr.
					1.70	1.73	89.85	Sh. with Aren. bands		Sl.
89.85	91.05	1.25	1.14	95.00	0.84	0.86	90.73	Sh.		Fr., Sl.
					0.30	0.32	91.05	Sh. with C - bands		
91.05	94.10	3.05	3.05	100.00	0.16	0.16	91.21	Sh. aren.		
					1.04	1.04	92.25	SST. Pgd.		
					1.85	1.85	94.10	SST. & Sh. Intercalated		
94.10	97.15	3.05	3.00	98.36	0.28	0.28	94.38	SST. & Sh. Intercalated		
					0.33	0.33	94.71	Sh. aren.		
					0.56	0.57	95.28	SST. Argil.		
					0.64	0.66	95.94	Sh. aren.		
					0.24	0.24	96.16	SST. & Sh. Intercalated		
					0.29	0.24	91.42	SST. Argil.		
					0.61	0.63	97.05	SST. & Sh. Intercalated		
					0.05	0.10	97.15	SST. Pgd.		
97.15	100.25	3.10	3.10	100.00	0.19	0.19	97.34	SST. Mg. Sideritic		

BORE HOLE NO. MB - 5.

1	2	3	4	5	6	7	8	9	10	11
					0.45	0.45	97.79	SST. & Sh. Intercalated		
					1.14	1.14	98.93	Sh. Aren.		
					0.58	0.58	99.51	Sh. with C - streak.		
					0.74	0.74	100.25	SST. Mgcl.		
100.25	103.35	3.10	3.10	100.00	0.23	0.23	100.53	SST. Mgcl.		V. Fr.
					1.33	1.33	101.91	SST. Mgcl. with Sh. laminae		Fr.
					0.17	0.17	102.08	SST. Ggd.		
					0.33	0.33	102.41	SST. Mgcl. with Sh. laminae		Fr.
					0.76	0.76	103.17	SST. Fgd. with Sh. laminae		
					0.13	0.13	103.35	SST. Mgcl.		
103.35	104.70	1.35	1.34	99.25	0.39	0.39	103.74	SST. Mgcl.		
					0.19	0.19	103.93	Sh. with Aren. bands		
					0.21	0.21	104.14	SST. Fgd.		Fr., Sl.
					0.55	0.56	104.70	Sh. with Aren. bands		Fr., Sl.,
104.70	106.40	1.70	1.69	99.41	1.53	1.59	106.29	SST. & Sh. Intercalated		Fr.,
					0.11	0.11	106.40	SST. Argil.		
106.40	108.65	2.25	2.20	97.77	1.33	1.36	107.76	SST. & Sh. Intercalated		Fr.
					0.87	0.89	108.65	Sh. with Aren. bands		Sl., Fr.
108.65	109.15	0.50	0.46	96.00	0.43	0.50	109.15	Sh. (Highly fractured)		Sl., Ps.
109.15	111.60	2.45	2.37	96.73	1.55	1.60	110.75	Sh. with Aren. bands		
					0.82	0.85	111.60	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
112.60	115.60	3.00	3.00	100.00	0.19	0.19	.112.79	SST. Argil.		
					0.86	0.86	.113.65	SST. & Sh. Intercalated		Fr., S., Br.
					0.52	0.52	.114.17	SST. Argil.		
					0.85	0.85	.115.02	SST. Mg'd. to Ogd.		
					0.58	0.58	.115.60	SST. & Sh. Intercalated		
115.60	117.60	2.00	1.97	98.5	1.97	2.00	.117.60	Interbanding		
117.60	119.00	1.40	1.40	100.00	0.49	0.49	.118.09	Interbanding		
					0.91	0.91	.119.00	SST. Mg'd. with Sh. bands.		
119.00	122.10	3.10	2.98	96.12	1.02	1.06	.120.06	SST. & Sh. Intercalated		V. Fr. fr.
					0.63	0.66	.120.72	SST. Ogd.		Fr.
					0.34	0.35	.121.07	SST. Mg'd.		Fr.
					0.10	0.10	.121.17	S. b. Aren.		
					0.89	0.93	.122.10	SST. Mg'd. with Sh. laminae		Fr.
122.10	125.10	3.00	3.00	100.00	1.13	1.13	.123.23	SST. & Sh. Intercalated		
					1.24	1.24	.124.47	SST. Mg'd.		
					0.63	0.63	.125.10	SST. & Sh. Intercalated		
125.10	128.20	3.10	3.10	100.00	2.30	2.30	.127.40	SST. & Sh. Intercalated		
					0.80	0.80	.128.20	SST. Argil.		
128.20	129.10	0.90	0.90	100.00	0.35	0.35	.128.55	SST. Argil.		V. fr.
					0.15	0.15	.128.70	SST. & Sh. Intercalated		V. fr.
					0.40	0.40	.129.10	SST. Argil.		V. fr.
129.10	131.55	1.45	1.25	86.20	1.25	1.45	.130.55	Sh. with Aren. bands		V. fr.

1	2	3	4	5	6	7	8	9	10	11
130.55	131.45	0.90	0.90	100.00	0.90	0.90	131.45	Sh. with Aren. bands		V. fr.
131.45	134.45	3.00	2.88	96.00	2.49	2.60	134.05	Sh. with Aren. bands		
					0.12	0.12	134.17	Sh.		
					0.27	0.28	134.45	SST. Argil.		
134.45	135.65	1.20	1.20	100.00	1.20	1.20	135.65	Sh. Aren.		S., Fr.
135.65	136.85	1.20	1.20	100.00	1.11	0.11	136.76	Sh. Aren.		S., Br., Fr.
					0.09	0.09	136.85	SST. & Sh. Intercalated		
136.85	139.60	2.75	2.75	100.00	0.24	0.24	137.09	SST. & Sh. Intercalated		
					0.09	0.09	137.18	SST. Mgd.		
					0.13	0.13	137.31	SST. & Sh. Intercalated		
					0.20	0.20	137.51	SST. Cgd.		
					1.92	1.92	139.43	SST. & Sh. Intercalated		
					0.13	0.13	139.56	SST. Argil.		
					0.04	0.04	139.60	SST. & Sh. Intercalated		
139.60	141.60	2.00	1.99	99.5	0.41	0.41	140.11	SST. & Sh. Intercalated		
					0.25	0.25	140.26	SST. Fgd. with Sh. Laminæ		
					0.66	0.67	141.03	SST. & Sh. Intercalated		
					0.10	0.10	141.03	SST. Argil.		
					0.57	0.57	141.60	SST. & Sh. Intercalated		
141.60	143.20	1.60	1.60	100.00	0.03	0.03	141.63	SST. & Sh. Intercalated		
					0.71	0.71	142.34	SST. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
143.20	145.20	2.00	2.00	110.00	0.07	0.07	142.82	SST. Argil.		
145.20	145.75	0.55	0.55	150.00	0.38	0.38	143.20	SST. Mgcl. with Sh. bands.		
145.75	146.75	1.00	1.00	101.00	1.45	1.45	144.65	Interbanding		
					0.55	0.55	145.20	SST. Pgd. sideritic		
					0.55	0.55	145.75	SST. Pgd. with Sh. laminae		
					0.07	0.07	145.82	SST. Pgd. with Sh. laminae		
					0.50	0.50	146.32	Sh. Iron.		
					0.11	0.11	146.43	SST. Mgcl.		
					0.32	0.32	146.75	SST. Pgd. with Sh. laminae		
146.75	147.70	0.95	0.94	98.94	0.10	0.10	146.85	SST. Pgd. with Sh. laminae		
					0.04	0.05	147.70	SST. Cgd.		
147.70	150.75	3.05	2.99	98.03	0.32	0.33	148.03	SST. Cgd.		
					0.50	0.59	148.62	SST. & Sh. Intercolated		
					0.26	0.27	148.89	SST. Mgcl.		
					0.64	0.65	149.54	SST. & Sh. Intercolated		
					0.22	0.22	149.76	SST. Argil.		
					0.47	0.48	150.24	SST. & Sh. Intercolated		
					0.05	0.05	150.20	SST. Mgcl.		
150.75	152.75	2.00	1.70	85.00	0.45	0.46	150.75	SST. & Sh. Intercolated		
					0.50	0.60	151.43	SST. Pgd.		
152.75	153.75	1.00	0.97	97.00	1.12	1.32	152.75	SST. Mgcl.		
					0.37	0.37	153.12	SST. Mgcl.		

BORE HOLE NO. MB - 5.

1	2	3	4	5	6	7	8	9	10	11
153.75	156.80	3.05	3.05	100.00	0.10	0.10	153.22	SST. Cgd.		
					0.50	0.53	153.75	SST. & Sh. Intercalated		
					0.17	0.17	153.92	SST. Argil.		
					0.13	0.13	154.05	SST. & Sh. Intercalated		
					0.10	0.10	154.15	SST. Argil.		
					0.35	0.35	154.50	SST. & Sh. Intercalated.		
					0.13	0.13	154.63	SST. Mgd.		
					0.20	0.20	154.83	SST. & Sh. Intercalated.		
					0.05	0.05	154.88	SST. Argil.		
					1.92	1.92	156.00	SST. & Sh. Intercalated.		
156.85	159.80	3.00	3.00	100.00	0.62	0.62	157.42	SST. & Sh. Intercalated.		
					0.26	0.26	157.68	SST. Argil.		
					0.41	0.41	158.09	SST. & Sh. Intercalated		
					0.41	0.41	158.50	Sh. with aren. bands		
					0.03	0.03	158.53	C O A L		
					0.16	0.16	158.74	Sh.		
					0.66	0.66	159.40	SST. & Sh. Intercalated		
					0.40	0.40	159.80	SST. Cgd.		
159.80	162.90	3.10	3.10	100.00	2.00	2.00	161.00	SST. Cgd.		
					0.16	0.16	161.96	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
162.90	165.90	3.00	2.98	99.33	1.32	1.33	164.23	SST. Med. with Sh. Laminæ		
					0.14.	0.14	164.37	Sh. with Aren. band		
					1.52	1.53	165.90	SST. Med.		
165.90	168.60	2.70	2.70	100.00	2.01	2.01	167.91	SST. Cgd. to Grt. t.		
					0.13	0.13	168.04	SST. Fgd.		
					0.16	0.16	168.20	Grt. t.		
					0.40	0.40	168.60	SST. Fgd.		
168.60	170.30	1.70	1.70	100.00	0.87	0.87	169.47	Sh. Aren.		
					0.12	0.12	169.59	SST. Argil.		
					0.46	0.46	170.05	SST. Med.		
					0.13	0.13	170.18	SST. & Sh. Intercalated		
					0.12	0.12	170.30	SST. Fgd. (Sideritic)		
170.30	171.90	1.60	1.60	100.00	1.16	1.16	171.46	SST. & Sh. Intercalated		
					0.37	0.37	171.83	SST. Argil.		
					0.07	0.07	171.90	Sh. Aren.		
171.90	174.50	2.60	2.58	99.23	0.34	0.34	172.24	Sh. Aren.		
					2.24	2.26	174.50	SST. & Sh. Intercalated		
174.50	177.55	3.05	3.05	100.00	0.15	0.15	174.65	SST. Aren.		
					0.33	0.33	174.98	SST. & Sh. Intercalated		
					0.05	0.05	175.03	SST. Cgd.		
					0.08	0.08	175.11	SST. Fgd.		
					0.04	0.04	175.15	Sh.		

1	2	3	4	5	6	7	8	9	10	11
177.55	178.30	0.75	0.73	97.33	0.60 0.05 1.75 0.54	0.60 0.05 1.75 0.56	175.75 175.80 177.55 178.11	SST. Mgd. SST. Argil. SST. Mgd. with Sn. laminae SST. Mgd. with Sn. laminae		Fr., S.
178.30	181.05	2.75	2.58	93.81	0.06 0.13 0.28 1.79	0.06 0.13 0.29 1.91	178.17 178.30 178.59 180.50	SST. & Sn. Intercalated SST. Mgd. SST. Mgd. with Sn. laminae SST. & Sn. Intercalated		
					0.04 0.09 0.10 0.28	0.04 0.09 0.11 0.31	180.54 180.63 180.74 181.05	Sn. with C - streak SST. Argil. SST. Mgd. SST. & Sn. Intercalated		
181.05	183.15	2.10	2.10	100.00	0.17 0.14 0.37 0.17 0.39	0.17 0.14 0.37 0.17 0.39	181.22 181.36 181.73 181.90 182.29	Sn. with Sn. Argil. SST. Argil. SST. Mgd. with Sn. laminae SST. Argil.		
					0.73 0.13 0.13	0.73 0.13	183.02 183.15	SST. & Sn. Intercalated SST. Mgd.		
183.15	184.15	1.00	0.99	99.00	0.21 0.21	0.21	183.36 183.71	SST. Mgd. SST. Mgd.		
					0.34	0.35		SST. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
184.15	187.25	3.10	3.07	99.03	0.11 0.28	0.11 0.28	183.87 184.15	SST. Cgd. SST. Mgd.		
					0.10 0.79	0.10 0.80	184.25 185.05	SST. Mgd. Grd.		
					1.80	1.82	186.87	SST. To Grd.		V. fr.
					0.29	0.29	187.16	M. P.		
					0.09	0.09	187.25	SST. & Sh. Intercalated		
187.25	189.25	2.00	2.00	100.00	1.03	1.03	188.28	SST. & Sh. Intercalated		
					0.45	0.45	188.73	Sc.		
					0.52	0.52	189.25	SST. Fgd. with Sh. Laminae.		
189.25	190.25	1.00	0.96	96.00	0.02	0.02	189.27	SST. Fgd. with Sh. Laminae.		
					0.10	0.10	189.37	C O A L		
					0.26	0.27	189.64	SST. Argil.		
					0.30	0.32	189.96	SST. & Sh. Intercalated		
					0.28	0.29	190.25	Sh. with C - streak		
190.25	192.45	2.20	2.20	100.00	0.30	0.30	190.55	Sh.		
					1.90	1.90	192.45	SST. Cgd.		
192.45	194.45	2.00	1.96	98.00	0.88	0.90	193.35	SST. Argil.		
					0.34	0.35	193.70	SST. & Sh. Intercalated		
					0.13	0.13	193.83	Sh. with C - streaks		
					0.61	0.62	194.45	SST. & Sh. Intercalated		
194.45	196.15	1.70	1.70	100.00	0.12	0.12	194.57	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
					0.24	0.24	194.81	SST. Mgd.		
					1.03	1.03	195.84	SST. & Sh. Intercalated		
					0.09	0.09	195.93	SST. Argil.		
					0.10	0.10	196.03	C O A L		
					0.09	0.09	196.12	Sh. with C - streak		
					0.03	0.03	196.15	SST. & Sh. Intercalated		
16.15	195.25	3.10	3.10	100.00	0.71	0.71	196.86	SST. & Sh. Intercalated		
					0.12	0.12	196.98	SST. Mgd.		
					0.29	0.29	197.27	Sh. Aren.		
					0.04	0.04	197.31	SST. Fgd.		
					0.04	0.04	197.35	SST. & Sh. Intercalated		
					0.33	0.33	197.68	Sc.		
					0.48	0.48	198.16	SST. & Sh. Intercalated		
					1.09	1.09	199.25	SST. Ogd.		
199.25	202.20	2.95	2.47	83.72	1.85	2.20	201.45	Grit.		
					0.11	0.14	201.59	C O A L		
					0.12	0.14	201.73	Sh.		
					0.09	0.11	201.84	Sh. with C - streak		
					0.20	0.24	202.08	SST. Argil.		
					0.05	0.06	202.14	SST. Ogd.		
					0.05	0.06	202.20	Sh.		

1	2	3	4	5	6	7	8	9	10	11
202.20	204.45	2.25	2.25	100.00	0.18	0.18	202.38	SST. & Sh. Intercalated		
					0.42	0.42	202.80	SST. Mgcl.		
					1.65	1.65	204.45	SST. Cgd. to Grt. t.		
204.45	205.95	1.50	1.50	100.00	0.45	0.45	204.90	SST. Cgd. to Grt. t.		
					1.05	1.05	205.95	SST. Mgcl.		
205.95	207.45	1.50	1.50	100.00	1.50	1.50	207.45	SST. Mgcl.		Pr.
207.45	210.45	3.00	3.00	100.00	1.57	1.57	209.02	SST. Mgcl.		Pr.
					1.43	1.43	210.45	SST. Cgd. to Grt. t.		
210.45	211.75	1.30	1.30	100.00	1.30	1.30	211.75	SST. & Sh. Intercalated		
211.75	214.75	3.00	3.00	100.00	2.35	2.35	214.10	SST. & Sh. Intercalated		
					0.12	0.12	214.22	SST. Mgcl.		
					0.20	0.20	214.42	SST. & Sh. Intercalated		
					0.33	0.33	214.75	SST. Mgcl.		
214.75	216.00	1.25	1.25	100.00	0.22	0.22	214.77	SST. & Sh. Intercalated		
					0.43	0.43	215.40	SST. Argill.		
					0.60	0.60	216.00	Sh.		
216.00	217.75	1.75	1.75	100.00	0.67	0.67	216.67	Sh. with C - streak		
					0.81	0.81	217.48	Sh. argen.		
					0.27	0.27	217.75	SST. & Sh. Intercalated		
217.75	220.55	2.80	2.78	99.28	0.15	0.15	217.90	SST. & Sh. Intercalated		
					0.08	0.08	217.98	SST. Mgcl.		
					0.15	0.15	218.13	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
					0.72	0.73	218.86	SST. Qcd.		
					0.25	0.25	217.11	Sh. Aren.		
					0.08	0.08	219.17	SST. Fgd.		
					0.28	0.28	217.47	SST. & Sh. Intercalated		
					0.54	0.55	220.02	Sh.		
					0.53	0.53	220.55	SST. & Sh. Intercalated		
220.55	221.25	0.70	0.70	100.00	0.63	0.63	221.18	SST. & Sh. Intercalated		Fr.
					0.07	0.07	221.25	Sh.		
221.25	223.25	2.00	2.00	100.00	0.13	0.13	221.38	Sh.		V. Fr.
					0.48	0.48	221.86	Sc.		
					0.90	0.90	222.76	SST. & Sh. Intercalated		
					0.43	0.49	223.25	Sh. with C - bands		
223.25	226.35	3.10	3.10	100.00	0.44	0.44	223.69	SST. & Sh. Intercalated		
					0.41	0.41	224.10	Sh.		
					0.35	0.35	224.45	SST. & Sh. Intercalated		
					0.25	0.25	224.70	Sh.		
					0.12	0.12	224.82	Sh. with C - bands		
					1.53	1.53	226.35	SST. & Sh. Intercalated		
226.35	228.60	2.25	2.25	100.00	0.63	0.63	226.98	SST. & Sh. Intercalated		
					0.66	0.66	227.64	Sh.		
					0.28	0.28	227.92	SST. & Sh. Intercalated		Fr.

1	2	3	4	5	6	7	8	9	10	11
					0.25	0.25	228.60	Sh. with C - bands		
228.60	230.00	1.40	1.39	99.28	0.10	0.10	228.70	Sh.		
					0.31	0.31	229.01	SST. & Sh. Intercalated		
					0.32	0.32	229.33	SST. Cgd.		
					0.06	0.06	229.39	Sh.		
					0.60	0.61	230.00	SST. & Sh. Intercalated		
230.00	231.75	1.75	1.73	98.85	0.22	0.22	230.22	SST. & Sh. Intercalated		
					0.24	0.24	230.46	SST. Aregl.		
					0.06	0.06	230.52	SST. Mgd.		
					0.88	0.87	231.41	Sh.		
					0.04	0.04	231.45	Sh. with C - Streak.		
					0.27	0.30	231.75	SST. Mgd. with Sh. band		
231.75	233.05	1.30	1.29	99.23	0.73	0.74	232.49	SST. & Sh. Intercalated		
					0.20	0.20	232.69	SST. Mgd.		
					0.19	0.19	232.88	SST. & Sh. Intercalated		
					0.14	0.14	233.02	SST. Mgd.		
					0.03	0.03	233.05	SST. & Sh. Intercalated		
233.05	235.45	2.40	2.40	100.00	1.36	1.36	234.41	SST. & Sh. Intercalated		
					0.27	0.27	234.68	Sh. with Aren. bands		
					0.09	0.09	234.77	SST. & Sh. Intercalated		
					0.68	0.68	235.45	Sh.		

Sh., Ps.

*1	2	3	4	5	6	7	8	9	10	11
235.45	237.20	1.75	1.71	97.71	0.34	0.35	235.80	Sh.	Ps.	
					0.21	0.21	236.01	SST. & Sh. Intercalated		
					0.37	0.38	236.39	SST. Fgd.		
					0.12	0.12	236.51	SST. & Sh. Intercalated		
					0.35	0.36	236.87	SST. Mgd. with Sh. laminae		
					0.14	0.14	237.01	SST. & Sh. Intercalated		
					0.18	0.19	237.20	SST. Mgd.		
237.20	239.00	1.80	1.80	100.00	0.26	0.26	237.46	SST. Fgd.		
					0.33	0.33	237.79	SST. & Sh. Intercalated		
					0.53	0.53	238.32	SST. Argil.		
					0.37	0.37	238.69	SST. & Sh. Intercalated		
					0.31	0.31	239.00	SST. Mgd.		Fr.
239.00	242.05	3.05	3.03	99.34	2.08	2.09	241.09	SST. Mgd.		Fr.
					0.65	0.66	241.75	SST. Cgd. with Sh. laminae		
					0.30	0.30	242.05	SST. Fgd.		
242.05	243.45	1.40	1.40	100.00	0.47	0.47	242.52	SST. Fgd.		
					0.10	0.10	242.62	SST. Mgd.		
					0.83	0.83	243.45	SST. & Sh. Intercalated		
243.45	245.05	1.60	1.59	99.37	0.83	0.84	244.29	SST. & Sh. Intercalated		
					0.31	0.31	244.60	Sh.		
					0.11	0.11	244.71	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
245.05	246.00	0.95	0.90	94.73	0.90	0.95	246.00	Sh. with C - streak	Fr.	
246.00	247.45	1.45	1.42	97.93	0.35	0.36	246.36	Csh.		
					0.08	0.08	246.44	Sc.		Pa.
					0.81	0.83	247.27	SST. Argil.		
247.45	248.95	1.50	1.50	100.00	0.18	0.18	247.45	SST. & Sh. Intercalated		
					0.62	0.62	248.07	SST. & Sh. Intercalated		
					0.88	0.88	248.95	SST. Mgd.		
248.95	250.25	1.30	1.29	99.23	0.91	0.92	249.67	SST. Mgd.		
					0.34	0.34	250.21	SST. Cgd.		
					0.04	0.04	250.25	Sh.		
250.25	252.75	2.50	2.50	100.00	0.05	0.05	251.30	Sh.		
					0.14	0.14	251.44	Sh. Aren.		
					0.59	0.59	251.03	SST. Argil.		
					0.31	0.31	251.34	SST. & Sh. Intercalated		V. Fr.
					0.63	0.63	251.97	SST. Argil.		
					0.56	0.56	252.53	SST. & Sh. Intercalated		
					0.22	0.22	252.75	Sh. Aren.		Fr., Sl.
252.75	254.05	1.30	1.30	100.00	0.77	0.77	253.52	Sh. Aren.		Fr.
					0.53	0.53	254.05	SST. & Sh. Intercalated		
254.05	255.35	1.30	1.30	100.00	0.30	0.30	254.35	SST. Argil.		
					1.00	1.00	255.35	SST. & Sh. Intercalated		
255.35	257.05	1.70	1.60	94.11	1.08	1.15	256.50	Sh.		Fr., Br., Sl.

1	2	3	4	5	6	7	8	9	P	11
257.05	257.95	0.90	0.88	97.77	0.36	0.38	256.88	SST. & Sh. Intercalated		Fr.
					0.16	0.17	257.05	Sh. Aren.		
					0.21	0.22	257.27	SST. Med.		
					0.08	0.08	257.35	Sh.		
					0.15	0.15	257.50	SST. Qgd.		
					0.24	0.25	257.75	SST. & Sh. Intercalated		
					0.11	0.11	257.86	SST. Med.		
					0.09	0.09	257.95	Sh. Aren.		
257.95	258.45	0.50	0.49	98.00	0.33	0.34	258.29	Sh.		Br.
					0.16	0.16	258.45	SST. Argil.		
258.45	260.20	1.75	1.74	99.42	0.44	0.44	258.89	SST. & Sh. Intercalated		
					0.49	0.50	259.39	SST. Qgd.		
					0.37	0.37	259.76	SST. Fgd. with C - bands		
					0.25	0.25	260.01	Sc.		
					0.19	0.19	260.20	SST. Argil.		
260.20	261.00	0.80	0.80	100.00	0.34	0.32	260.52	SST. & Sh. Intercalated		Fr.
					0.48	0.48	261.00	Sh. with Aren. bands		
261.00	263.15	2.15	2.11	98.3	1.59	1.62	262.62	SST. & Sh. Intercalated		Sh.
					0.42	0.43	263.05	Sh. Aren.		
					0.10	0.10	263.15	SST. & Sh. Intercalated		
263.15	265.20	2.05	2.05	100.00	1.55	1.55	264.70	SST. & Sh. Intercalated		Fr., V. Fr.
					0.50	0.50	265.20	Sh.		

1	2	3	4	5	6	7	8	9	10	11
					0.55	0.55	265.87	Sh. Aren.		Sh., Ps.
					0.38	0.38	266.25	SST. & Sh. Intercalated		
266.25	269.25	3.00	3.00	100.00	0.35	0.35	266.60	Sh.		Sh.,
					0.13	0.13	266.73	COAL with Sh. laminae	Local (L-11)	
					0.17	0.17	266.90	SST. Argil.		
					0.81	0.81	267.71	SST. & Sh. Intercalated		
					0.14	0.14	267.85	SST. Fgd.		
					0.76	0.76	268.61	SST. & Sh. Intercalated		
					0.17	0.17	268.78	SST. Argil.		
					0.47	0.47	269.25	SST. & Sh. Intercalated		
269.25	271.95	2.70	2.70	100.00	0.55	0.55	269.80	SST. Fgd. with Sh. laminae		
					1.70	1.70	271.50	SST. & Sh. Intercalated		Vfr., Br., Fr.
					0.20	0.20	271.70	COAL	Local (L-10)	
					0.25	0.25	271.95	Sh. with C - streaks		
271.95	274.15	2.20	2.16	98.18	0.78	0.79	272.74	SST. Argil.		
					0.79	0.80	273.54	Sh. with C - streak		
					0.39	0.40	273.94	SST. & Sh. Intercalated		
					0.20	0.21	274.15	Sh. Aren.		
274.15	275.35	1.20	1.20	100.00	0.25	0.25	274.40	Sh. Aren.		
					0.95	0.95	275.35	SST. Argil.		
275.35	278.35	3.00	3.00	100.00	0.60	0.60	275.95	SST. & Sh. Intercalated		
					0.52	0.52	276.47	SST. Ggd.		

1	2	3	4	5	6	7	8	9	10	11
278.35	279.45	1.10	0.94	85.45	0.17	0.17	276.64	SST. & Sh. Intercalated		
					0.53	0.53	277.17	SST. Cgd.		
					0.94	0.94	278.11	SST. Mg'd. with Sh. Laminæ		
					0.24	0.24	278.35	Sh.		
					0.52	0.60	278.95	Sh.		
					0.42	0.50	279.45	SST. Mg'd. with Sh. bands		
279.45	281.40	1.95	1.92	98.46	0.80	0.81	280.26	SST. Mg'd.		
					0.33	0.34	280.60	SST. Mg'd. with Sh. Laminæ		
					0.71	0.72	281.32	SST. & Sh. Intercalated		
					0.08	0.08	281.40	SST. & Sh. Intercalated		
281.40	283.90	2.50	2.50	100.00	0.37	0.37	281.77	Sh. Aren.		
					0.77	0.77	282.54	Sh.		
					0.33	0.33	282.87	SST. & Sh. Intercalated		
					0.36	0.36	283.23	Sh. with C - bands		
					0.11	0.11	283.34	OO/L with Sh. Laminæ		
					0.56	0.56	283.90	Sh. with C - streaks.		
283.90	286.90	3.00	2.96	98.66	0.39	0.40	284.30	Sh. with Aren. bands		
					0.18	0.18	284.48	SST. Mg'd.		
					0.30	0.30	284.78	Sh. Aren.		
					1.70	1.72	286.50	SST. Argill.		
					0.39	0.40	286.90	SST. & Sh. Intercalated		

Ps., Br., Fr.

1	2	3	4	5	6	7	8	9	10	11
293.85	295.85	2.00	1.98	99.00	0.74	0.75	294.60	SST. & St. Intercalated		
					0.22	0.22	294.82	St.		
					0.30	0.30	295.12	SST. Pegd.		
					0.72	0.73	295.85	SST. & St. Intercalated		
295.85	298.85	3.00	3.00	100.00	2.30	2.30	296.15	SST. & St. Intercalated		
					0.70	0.70	296.85	SST. Pegd.		
296.85	301.75	2.90	2.83	97.58	0.25	0.26	299.11	SST. Pegd.		
					1.17	1.20	300.31	Gr t.		
292.35	293.85	1.50	1.48	98.66	0.13	0.13	292.48	COL. with St. Laminæ		
					0.06	0.06	292.54	St. with C - streak		
					0.05	0.05	292.59	Sc.		
					0.27	0.27	292.86	St.		
					0.97	0.99	293.85	SST. & St. Intercalated		
293.85	295.85	2.00	1.98	99.00	0.74	0.75	294.60	SST. & St. Intercalated		
					0.22	0.22	294.82	St.		
					0.30	0.30	295.12	SST. Pegd.		
					0.72	0.73	295.85	SST. & St. Intercalated		
295.85	298.85	3.00	3.00	100.00	2.30	2.30	296.15	SST. & St. Intercalated		
					0.70	0.70	296.85	SST. Pegd.		
296.85	301.75	2.90	2.83	97.58	0.25	0.26	299.11	SST. Pegd.		
					1.17	1.20	300.31	Gr t.		

XVIIID

1	2	3	4	5	6	7	8	9	10	11
301.75	303.20	1.45	1.45	100.00	0.58	0.59	300.90	SST. & Sh. Intercalated		
					0.35	0.36	301.26	SST. Mgd.		
					0.48	0.49	301.75	SST. & Sh. Intercalated		
					0.30	0.39	302.14	SST. & Sh. Intercalated		
					0.40	0.40	302.54	SST. Mgd.		
					0.66	0.66	303.20	SST. & Sh. Intercalated		
303.20	305.80	2.60	2.60	100.00	1.56	1.56	304.76	SST. & Sh. Intercalated		
					0.44	0.44	305.20	Sh. with Aren. bands		
					0.60	0.60	305.80	Sh.		
305.80	307.15	1.35	1.35	100.00	1.35	1.35	307.15	Sh.		Br., Fr.
307.15	307.65	0.50	0.50	100.00	0.30	0.30	307.45	Cen.		
					0.20	0.20	307.65	COLL. with Sh. laminae		
307.65	309.40	1.75	1.74	99.42	0.43	0.43	308.08	C O A L		Br.
					0.10	0.10	308.18	Sc.		
					0.46	0.47	308.65	C O A L		
					0.22	0.22	308.87	Sh. with C - bands (Sideritic)		
					0.24	0.24	309.11	C O A L		
					0.29	0.29	309.40	Sh. with C - bands		
309.40	310.80	1.40	1.40	100.00	0.91	0.91	310.31	SST. & Sh. Intercalated		
					0.25	0.25	310.56	Sh.		
					0.24	0.24	310.80	Sh. Aren.		

1*	2	3	4	5	6	7	8	9	10	11
312.30	315.15	2.85	2.85	100.00	0.05	0.05	312.19	Sc.	XVIII B	
					0.11	0.11	312.30	Sn.		
315.15	316.65	1.50	1.50	100.00	2.60	2.60	312.55	SST. Argil.		
					0.25	0.25	315.15	SST. & Sn. Intercalated.		
					1.20	1.20	316.35	SST. & Sn. Intercalated		
316.65	318.55	1.90	1.90	100.00	0.30	0.30	316.65	Sn.		
					0.17	0.17	317.32	Sn.		
					1.23	1.23	318.55	C O A L		
318.55	321.55	3.00	3.00	100.00	0.68	0.68	319.23	C O A L		
					0.96	0.96	320.19	Sn.		
					0.96	0.96	321.15	SST. Argil.		
					0.33	0.33	321.48	SST. Fgd.		
					0.07	0.07	321.55	SST. & Sn. Intercalated		
321.55	324.45	2.90	2.90	100.00	2.90	2.90	324.45	SST. Ggd.		
324.45	327.50	3.05	3.05	100.00	3.05	3.05	327.50	SST. Mgcl.		
327.50	330.20	2.70	2.65	98.14	0.44	0.45	327.95	SST. Ggd.		
					0.04	0.04	327.99	SST. Argil.		
					0.11	0.11	328.10	C O A L		
					0.46	0.47	328.57	Sn. with O - bands		
					0.13	0.13	328.70	SST. & Sn. Intercalated		
					0.18	0.19	328.89	Gch.		
					0.07	0.07	328.96	Sn.		
					0.11	0.11	329.07	Gch.		

1	2	3	4	5	6	7	8	9	D	11
330.20	333.20	3.00	2.95	98.33	0.04	0.04	330.24	Csh.		
330.20	333.20	3.00	2.95	98.33	0.23	0.23	330.47	C O A L		
330.20	333.20	3.00	2.95	98.33	2.68	2.73	333.20	SST. & St. Intercalated		
333.20	336.20	3.00	2.91	97.00	0.30	0.31	333.51	SST. & St. Intercalated		Sl., Ps.
333.20	336.20	3.00	2.91	97.00	0.24	0.25	333.76	SST. Regd.		
333.20	336.20	3.00	2.91	97.00	1.76	1.81	335.57	SST. & St. Intercalated		
333.20	336.20	3.00	2.91	97.00	0.14	0.14	335.71	COAL with SST. Regd. Mixed		
333.20	336.20	3.00	2.91	97.00	0.22	0.23	335.94	SST. Regd. sideritic		
333.20	336.20	3.00	2.91	97.00	0.25	0.26	336.20	SST. & St. Intercalated		
336.20	339.20	3.00	3.00	100.00	1.00	1.00	337.20	SST. & St. Intercalated		
336.20	339.20	3.00	3.00	100.00	0.26	0.26	337.46	SST. Regd.		
336.20	339.20	3.00	3.00	100.00	1.64	1.64	339.70	SST. & St. Intercalated		
336.20	339.20	3.00	3.00	100.00	0.10	0.10	339.20	COAL with SST. Regd. Mixed		
339.20	342.20	3.00	2.96	98.66	0.12	0.12	339.22	COAL with SST. Regd. Mixed		
339.20	342.20	3.00	2.96	98.66	1.77	1.79	340.51	SST. & St. Intercalated		
339.20	342.20	3.00	2.96	98.66	0.45	0.46	340.97	COAL with St. Laminar (Local)		
339.20	342.20	3.00	2.96	98.66	1.22	1.23	342.20	SST. & St. Intercalated		
342.20	344.70	2.50	2.47	98.8	1.21	1.23	343.43	Carb.		
342.20	344.70	2.50	2.47	98.8	0.22	0.22	343.65	SST. Regd.		
342.20	344.70	2.50	2.47	98.8	0.22	0.22	343.65	SST. & St. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
344.70	345.20	0.50	0.50	100.00	0.09	0.09	344.70	\$1. Arun.		
345.20	347.30	2.10	2.10	100.00	0.50	0.50	345.20	SST. Argil.		
					1.38	1.38	346.58	SST. & Sh. Intercalated		
347.30	349.35	2.05	2.03	99.02	0.72	0.72	347.30	SST. Mgcl.		
349.35	351.40	2.05	2.05	100.00	2.03	2.05	349.35	SST. Qgd.		
					1.05	1.05	350.40	SST. & Sh. Intercalated		
351.40	354.40	3.00	3.00	100.00	1.00	1.00	351.40	SST. Mgcl.		
					0.60	0.60	352.00	SST. Mgcl. to SST. Qgd.		
					0.24	0.24	352.24	SST. Argil.		
					0.48	0.48	352.72	SST. & Sh. Intercalated		
					0.08	0.08	352.80	C O A L		
354.40	357.45	3.05	3.04	99.67	1.60	1.60	354.40	SST. & Sh. Intercalated		
					0.16	0.16	354.56	Sh.		
					0.37	0.37	354.93	Cen.		
					0.29	0.29	355.22	C O A L		
					0.62	0.62	355.84	Sh. Arun.		
					0.12	0.12	355.96	SST. Mgcl.		
					0.41	0.41	356.37	SST. Argil.		
					0.29	0.30	356.67	SST. Mgcl.		
					0.60	0.60	357.27	SST. & Sh. Intercalated		
357.45	359.45	2.00	2.00	100.00	0.18	0.18	357.45	SST. Mgcl.		
					2.00	2.00	359.45	SST. Qgd.		

V. Fr.
Br.

1	2	3	4	5	6	7	8	9	10	11
359.45	360.50	1.05	1.05	100.00	1.05	1.05	360.50	SST. Cgd.		
360.50	363.55	3.05	3.05	100.00	0.24	0.24	360.74	SST. Fgd.		
					2.81	2.81	363.55	SST. Mgd.		
363.55	366.65	3.10	3.10	100.00	0.36	0.36	363.91	SST. Mgd.		
					1.18	1.18	365.09	SST. Cgd.		
					0.86	0.86	365.95	SST. Argil.		
					0.70	0.70	366.65	SST. & St. Intercalated		Pr.
366.65	369.05	2.40	2.40	100.00	0.98	0.98	367.63	SST. & St. Intercalated		
					1.42	1.42	369.05	SST. Mgd. with St. bands		
369.05	370.00	0.95	0.93	97.89	0.14	0.14	369.19	SST. & St. Intercalated		
					0.43	0.44	369.63	SST. Mgd.		
					0.32	0.33	369.96	C O A L		Pr.
					0.04	0.04	370.00	St. with C - lamineae		
370.00	373.00	3.00	2.89	96.33	0.15	0.15	370.15	St. Argon.		
					1.90	1.97	372.12	SST. & St. Intercalated		
					0.14	0.15	372.27	SST. Argil.		
					0.23	0.24	372.51	St. with C - bands		
					0.17	0.18	372.69	C O A L		
					0.07	0.07	372.76	St. with C - lamineae		
					0.06	0.06	372.82	SST. & St. Intercalated		
					0.17	0.18	373.00	SST. Argil.		

1	2	3	4	5	6	7	8	9	10	11
376.10	379.10	3.00	3.00	100.00	0.25 0.86 1.88 0.30 1.13 0.49 1.02 0.06	0.25 0.87 1.96 0.30 1.13 0.49 1.02 0.06	373.33 374.20 376.10 376.40 377.53 378.02 379.04 379.10	Sr. with C - Lamine SST. & Sn. Intercalated SST. Med. SST. & Sn. Intercalated SST. Med. SST. Cgd. SST. Med. to SST. Cgd. C O A L		
379.10	382.10	3.00	3.00	100.00	0.10 1.93 0.33 0.23 0.41	0.10 1.93 0.33 0.23 0.41	379.20 381.13 381.46 381.69 382.10	C O A L Sn. Aren. C O A L Sn. with C - bands SST. & Sn. Intercalated		
382.10	385.10	3.00	2.93	97.66	0.15 0.28 2.50 0.25 0.12 0.93 0.22	0.15 0.29 2.56 0.28 0.14 1.07 0.25	382.25 382.54 385.10 385.38 385.52 386.59 386.84	SST. & Sn. Intercalated Sn. SST. & Sn. Intercalated SST. & Sn. Intercalated SST. Med. SST. & Sn. Intercalated SST. Med.		Fr.
385.10	390.00	4.90	4.27	87.14	0.25 0.12 0.93 0.22	0.28 0.14 1.07 0.25	385.38 385.52 386.59 386.84	SST. & Sn. Intercalated SST. Med. SST. & Sn. Intercalated SST. Med.		
					0.15 0.17 0.15	0.17 0.20 0.17	387.04 387.21	SST. Med. to SST. Cgd. SST. Med. SST. Med.		

1	2	3	4	5	6	7	8	9	10	11
					0.52	0.60	387.81	SST. & Sh. Inter cal ated		
					0.57	0.65	388.46	SST. Regd.		
					1.34	1.54	390.00	SST. & Sh. Inter cal ated		
390.00	391.50	1.50	1.50	100.00	1.50	1.50	391.50	SST. & Sh. Inter cal ated		
391.50	394.00	2.50	2.44	97.6	0.81	0.83	392.33	SST. & Sh. Inter cal ated		
					0.03	0.03	392.36	Sh.		
					0.39	0.40	392.76	COAL		
					0.19	0.20	392.96	Sh. with C - streaks		
					0.61	0.62	393.58	SST. Regd.		
					0.41	0.42	394.00	SST. & Sh. Inter cal ated		
394.00	394.50	0.90	0.88	97.77	0.38	0.39	394.39	SST. & Sh. Inter cal ated		
					0.50	0.51	394.90	SST. Regd.		
394.90	397.45	2.55	2.37	93.72	0.98	1.05	395.95	SST. Regd.		
					0.20	0.21	396.16	COAL		
					0.95	1.01	397.17	SST. Regd. to SST. Regd.		
					0.26	0.28	397.45	Sh. Regd.		
397.45	400.20	2.75	2.75	100.00	0.03	0.03	397.48	COAL		
					0.66	0.66	398.14	Sh. Regd.		
					0.52	0.52	398.66	SST. & Sh. Inter cal ated		
					1.54	1.54	400.20	SST. Regd.		

Local(L-7)

Pr.

1	2	3	4	5	6	7	8	9	10	11
401.55	403.65	2.10	2.03	96.66	2.03	2.10	403.65	SST. Qgd.		
403.65	406.35	2.70	2.65	98.14	1.74	1.77	405.42	Qgd.		
406.35	409.15	2.80	2.80	100.00	0.91	0.93	406.35	SST. Qgd.		
409.15	411.15	2.00	1.97	98.5	1.97	2.00	409.15	SST. Qgd.		
411.15	412.65	1.50	1.48	98.66	0.33	0.30	411.53	SST. Qgd.		Fr.
412.65	414.95	2.30	2.30	100.00	1.10	1.12	412.65	SST. Mgcl.		
					0.13	0.13	412.73	SST. Mgcl.		
					1.55	1.55	414.33	SST. Qgd.		
414.95	415.85	0.90	0.04	93.33	0.62	0.62	414.95	St. Aren.		
					0.40	0.43	415.38	St. Aren.		
					0.37	0.40	415.78	COAL		
415.85	416.90	1.05	1.05	100.00	0.07	0.07	415.85	St. with C - bands		
					0.12	0.12	415.97	St. with C - bands		
					0.88	0.88	416.85	COAL		
416.90	418.70	1.80	1.77	98.33	0.05	0.05	416.90	St. with C - bands	XVIIA	
					0.09	0.09	416.99	St. with C - bands		
					0.40	0.41	417.40	COAL		
					0.05	0.05	417.45	St.		Fr.
					0.75	0.76	418.21	COAL		
					0.25	0.26	418.47	St. Aren. with C - bands (Sideritic)		
					0.23	0.23	418.70	SST. Mgcl.		

1	2	3	4	5	6	7	8	9	10	11
418.70	420.70	2.00	1.00	94.00	0.49	0.52	419.22	SST. Mgd.		
					0.34	0.36	419.50	Grit.		
					0.14	0.15	419.73	SST. & Sh. Intercalated		
					0.29	0.41	420.14	SST. Fgd.		
					0.52	0.56	420.70	SST. Qgd.		
420.70	421.85	1.15	0.09	77.39	0.57	0.74	421.44	SST. Qgd.		Fr.
					0.32	0.41	421.85	SST. & Sh. Intercalated		
421.85	424.95	3.10	3.06	93.70	0.50	0.51	422.36	SST. & Sh. Intercalated		
					0.22	0.22	422.58	G O A L		Br.
					0.33	0.33	422.91	SST. Argil.		
					0.81	0.82	423.73	SST. & Sh. Intercalated		
					1.20	1.22	424.95	SST. Mgd. to SST. Qgd.		
424.95	427.10	2.15	2.15	100.00	1.01	1.01	425.96	SST. Mgd. with Quartz pebbles		
					0.29	0.29	426.25	Sh. with C - bands		
					0.85	0.85	427.10	SST. Argil.		
427.10	428.10	1.00	0.99	99.00	0.61	0.62	427.72	SST. & Sh. Intercalated		
					0.36	0.36	428.10	SST. Mgd. with Sh. laminae		
428.10	429.80	1.70	1.70	100.00	1.60	1.60	429.70	SST. Qgd. to Grit.		
					0.10	0.10	429.80	Sh.		
429.80	431.20	1.40	1.40	100.00	0.62	0.62	430.42	SST. & Sh. Intercalated		
					0.14	0.14	430.56	Sh. with C - streak		

1	2	3	4	5	6	7	8	9	10	11
431.20	434.25	3.05	2.94	96.39	0.13	0.14	431.34	SST. Argil.		
					2.61	2.91	434.25	SST. & Sh. Intercalated		
434.25	435.95	1.79	1.69	99.41	0.26	0.26	434.51	SST. & Sh. Intercalated		
					0.11	0.11	434.62	SST. Mg'd.		
					0.41	0.42	435.04	SST. Argil.		
					0.20	0.20	435.24	SST. & Sh. Intercalated		
					0.17	0.17	435.41	Sh. backed.		
					0.09	0.09	435.50	M.F.		
					0.04	0.04	435.54	Sh. baked.		
					0.05	0.05	435.59	M.F.		
					0.04	0.04	435.63	Sh. baked.		
435.55	437.45	1.50	1.50	100.00	0.32	0.32	435.95	M.F.		
					0.19	0.19	436.14	M.F.		
					0.04	0.04	436.16	Sh. baked.		
					0.63	0.63	436.01	SST. & Sh. Intercalated		
					0.12	0.12	436.93	Sh.		
					0.52	0.52	437.45	O O A L		
437.45	439.45	2.00	2.00	100.00	1.35	1.35	438.80	SST. Argil.		
					0.11	0.11	438.91	O O A L		
					0.19	0.19	439.10	SST. Argil. with O - bands		
					0.13	0.13	439.23	O O A L		
					0.22	0.22	439.45	SST. Ogd. with O - bands		

XVII

1	2	3	4	5	6	7	8	9	10	11
439.45	440.65	1.20	1.20	100.00	0.90	0.90	440.35	SST. Fgd.		
					0.30	0.30	440.65	SST. Mgd.		
440.65	443.30	2.65	2.65	100.00	0.09	0.09	440.74	SST. Cgd.		
					0.36	0.36	441.10	SST. & St. Intercalated		
					2.20	2.20	443.30	SST. Cgd.		
443.30	444.65	1.35	1.35	100.00	1.35	1.35	444.65	SST. Cgd.		
444.65	446.70	2.05	2.05	100.00	0.40	0.40	445.05	SST. Cgd.		
					1.65	1.65	446.70	Gr't. with quartz pebbles		
446.70	448.95	2.25	2.25	100.00	1.21	1.21	447.91	Gr't. with quartz pebbles		
					0.28	0.28	448.19	SST. & St. Intercalated		
					0.59	0.59	448.78	Gr't.		
					0.17	0.17	448.95	SST. & St. Intercalated		
448.95	449.45	0.50	0.47	94.00	0.16	0.17	449.12	St. Aren.		
					0.31	0.33	449.45	SST. Fgd. with St. laminae		
449.45	452.45	3.00	2.94	98.00	0.10	0.10	449.55	SST. & St. Intercalated		
					0.79	0.81	450.36	SST. Argil.		
					0.14	0.14	450.50	SST. Fgd. with St. laminae		
					0.52	0.53	451.03	SST. Fgd.		
					1.30	1.30	452.36	SST. Mgd.		
					0.09	0.09	452.45	SST. & St. Intercalated		
452.45	453.95	1.50	1.49	99.33	0.81	0.82	453.27	SST. Mgd. with St. bands		
					0.41	0.41	453.68	SST. & St. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
453.95	454.95	1.00	1.00	100.00	1.00	1.00	454.95	SST. & Sh. Intercalated		
454.95	456.35	1.40	1.37	97.85	0.21	0.21	455.16	Sh. Aren.		
					0.22	0.23	455.39	SST. & Sh. Intercalated		
					0.12	0.12	455.51	SST. Cgd.		
					0.49	0.50	456.01	SST. Rgd.		
					0.33	0.34	456.35	SST. Cgd.		
456.35	459.05	2.70	2.70	100.00	0.48	0.48	456.83	SST. Argill.		
					0.50	0.50	457.33	SST. & Sh. Intercalated		
					0.50	0.50	457.83	SST. Mgd. with Sh. bands.		
					0.92	0.92	458.75	SST. & Sh. Intercalated		
459.05	462.15	3.10	3.03	97.74	0.30	0.30	459.05	SST. Argill.		Fr.
					2.71	2.77	461.82	SST. & Sh. Intercalated		V. fr. Fr.
					0.14	0.14	461.96	Sc.		
					0.18	0.19	462.15	COAL		
462.15	462.55	0.40	0.40	100.00	0.08	0.08	462.23	COAL		Fr.
					0.24	0.24	462.47	Sc.		
					0.08	0.08	462.55	COAL with Sh. laminae		
462.55	464.55	2.00	2.00	100.00	0.35	0.35	462.90	SST. & Sh. Intercalated		
					0.54	0.54	463.44	SST. Cgd.		
					0.25	0.25	463.69	Sh. with G - bands		
					0.30	0.30	463.99	Sh. Aren.		
					0.56	0.56	464.55	SST. & Sh. Intercalated		

BORE HOLE NO. MB - 5.

II/975

1	2	3	4	5	6	7	8	9	D	11
464.55	465.80	1.25	1.15	92.00	0.03	0.07	464.62	SST. Mg ^d .		
					0.65	0.67	465.29	G O A L	³ Local (L-5)	
					0.14	0.16	465.45	S. with G - streaks.		
					0.33	0.35	465.80	SST. Argill.		
465.80	467.90	2.10	2.10	100.00	0.28	0.28	466.08	SST. & S. Intercalated		
					0.96	0.96	467.04	S. Aren.		
					0.22	0.22	467.26	SST. & S. Intercalated		
					0.64	0.64	467.90	SST. Argill.		
467.90	470.90	3.00	2.93	97.66	0.82	0.84	468.74	SST. Mg ^d . with S. bands		
					1.52	1.56	470.20	SST. G ^d .		
					0.59	0.60	470.90	G O A L		
					0.16	0.18	471.08	S. with G.		
470.90	473.90	3.00	2.64	88.00	0.61	0.69	471.77	SST. Argill.		
					0.58	0.66	472.43	SST. & Sh. Intercalated		
					1.16	1.32	473.75	SST. G ^d . to Grit.		
					0.13	0.15	473.90	S. Aren.		
473.90	476.70	2.80	2.77	98.92	0.26	0.26	474.16	S. Aren. with G - streak		
					1.10	1.12	475.28	SST. & S. Intercalated		
					0.23	0.23	475.51	SST. Mg ^d .		
					0.88	0.89	476.40	SST. & S. Intercalated		
					0.30	0.30	476.70	SST. Argill.		

¹Local (L-4)
Tr.

Br., S.

Vit.

¹Local (L-3W) Tr.

1	2	3	4	5	6	7	8	9	D	11
					0.15	0.15	477.07	So.	Local (L-3)	
					0.45	0.45	477.52	0 0 A L		
					0.40	0.40	477.92	SST. Argill.		
					0.15	0.15	478.07	Sh.		
					1.23	1.23	479.30	SST. & Sh. Intercalated		
					0.40	0.40	479.70	SST. Fgd. with Sh. bands		
479.70	480.70	1.00	0.94	94.00	0.94	1.00	480.70	SST. Mgd.		
480.70	482.70	2.00	1.96	99.00	1.96	2.00	482.70	SST. Mgd. to SST. Ggd.		
482.70	483.80	1.10	1.09	99.09	1.09	1.10	483.80	SST. Ggd.		
483.80	485.85	2.05	2.01	98.04	0.95	0.97	484.77	SST. Ggd.		
					0.60	0.62	485.39	SST. & Sh. Intercalated		
					0.23	0.23	485.62	SST. Ggd.		
					0.23	0.23	485.85	SST. Argill.		
485.85	488.70	2.85	2.85	100.00	0.53	0.53	486.38	SST. & Sh. Intercalated		
					0.30	0.30	486.68	SST. Argill.		
					0.14	0.14	486.82	SST. & Sh. Intercalated		
					0.22	0.22	487.04	SST. Ggd.		
					1.66	1.66	488.70	SST. Argill.		
488.70	491.50	2.80	2.80	100.00	0.60	0.60	489.30	SST. Argill.		
					0.87	0.87	490.17	SST. Mgd. with Sh. bands		
					1.33	1.33	491.50	SST. Mgd. to SST. Ggd.		
491.50	493.00	1.50	1.40	93.33	0.83	0.95	492.45	SST. Ggd.		

1	2	3	4	5	6	7	8	9	10	11
493.00	494.75	1.75	1.73	98.75	0.17	0.18	492.63	\$n. with C - bands		Br.
					0.09	0.09	492.72	\$c.		
					0.04	0.04	492.76	Csh.		
					0.22	0.24	493.00	C O A L		
					0.26	0.26	493.26	\$n. Aren.		
					0.37	0.38	493.64	SST. Argil.		
					0.26	0.26	493.90	SST. & \$n. Intercalated		
					0.62	0.63	494.53	SST. Mgcl.		
					0.22	0.22	494.75	\$n. Aren.		
494.75	496.35	1.60	1.58	98.75	1.58	1.60	496.35	SST. & \$n. Intercalated		
496.35	497.15	0.80	0.78	97.5	0.78	0.80	497.15	SST. & \$n. Intercalated		V. Fr. Fr.
497.15	498.05	0.90	0.84	99.33	0.18	0.19	497.34	\$n. Aren.		
					0.32	0.34	497.68	SST. Fgd.		Fr., V. Fr.
					0.34	0.37	498.05	SST. Mgcl.		
498.05	501.00	2.95	2.86	96.94	1.00	1.03	499.08	SST. Mgcl.		
					0.46	0.48	499.56	SST. & \$n. Intercalated		Br.
					0.04	0.04	499.60	\$n.		
					0.06	0.06	499.66	Oh.		
					0.57	0.59	500.25	C O A L		
					0.25	0.25	500.50	\$n. Aren.		
					0.48	0.50	501.00	SST. Argil.		
501.00	502.85	1.85	1.79	96.75	0.37	0.38	501.38	SST. Argil.		

Local(L-2)
Br.

1	2	3	4	5	6	7	8	9	10	11
502.85	503.95	1.10	1.10	100.00	1.10	1.10	503.95	SST. Mgcl.		
503.95	506.00	2.05	1.99	97.07	0.71	0.73	504.68	SST. Cgd.		V. Fr.
					0.36	0.37	505.05	SST. Fgd.		
					0.92	0.95	506.00	SST. Cgd.		
506.00	507.30	1.30	1.30	100.00	0.80	0.80	506.80	SST. Cgd.		
					0.50	0.50	507.30	Sh. Aren.		
507.30	508.85	1.55	1.53	98.70	0.24	0.24	507.54	Sh. Aren.		
					1.29	1.31	508.85	SST. Mgcl.		
508.85	510.35	1.50	1.45	96.66	0.40	0.41	509.26	SST. Mgcl.		
					0.42	0.43	509.69	Sh.		
					0.13	0.14	509.83	Sh. baked.		
					0.11	0.12	509.95	Jh.		
					0.04	0.04	509.99	M.P.		
					0.11	0.11	510.10	Jh.		
					0.05	0.05	510.15	M.P.		
					0.12	0.13	510.28	Jh.		
					0.07	0.07	510.35	M.P.		
510.35	513.35	3.00	3.00	100.00	0.05	0.05	510.40	M.P. + Jh.		
					0.25	0.25	510.65	Jh.		
					0.05	0.05	510.70	Jh. + M.P.		
					0.18	0.18	510.88	M.P.		
					0.22	0.22	511.10	Jh. + M.P.		
					0.27	0.27	511.37	Jh.		

XVI D

1	2	3	4	5	6	7	8	9	10	11
513.35	514.40	1.05	1.05	100.00	0.03	0.03	511.40	M.F.	XVI D	
514.40	516.40	2.00	1.97	98.5	1.95	1.95	513.35	SST. & St. Intercalated		
516.40	518.80	2.40	2.40	100.00	1.05	1.05	514.40	SST. & St. Intercalated		
					1.76	1.79	516.19	SST. & St. Intercalated		
					0.21	0.21	516.40	SST. Argil.		
					0.29	0.29	516.69	SST. & St. Intercalated		
					0.22	0.22	516.91	SST. Mgcl.		
					0.77	0.77	517.68	SST. & St. Intercalated		
					0.52	0.52	518.20	SST. Argil.		
					0.30	0.30	518.50	SST. & St. Intercalated		
					0.30	0.30	518.80	SST. Mgcl.		
518.80	521.35	2.55	2.53	99.21	0.13	0.13	518.93	SST. & St. Intercalated		
					1.84	1.86	520.79	SST. Mgcl. with St. bands		
					0.56	0.56	521.35	SST. & St. Intercalated		
521.35	522.85	1.50	1.50	100.00	0.44	0.44	521.79	SST. & St. Intercalated		
					0.09	0.09	521.88	SST. Argil.		
					0.08	0.08	521.96	G O A L		
					0.62	0.62	522.58	SST. Argil.		
					0.12	0.12	522.70	SST. & St. Intercalated		
					0.15	0.15	522.85	SST. Mgcl.		
522.85	525.95	3.10	3.09	99.67	0.26	0.26	523.11	SST. Mgcl.		

1	2	3	4	5	6	7	8	9	D	11
525.95	529.05	3.10	3.00	100.00	0.52	0.52	524.12	SST. Med.		
					0.15	0.15	524.27	Obh.		
					1.67	1.68	525.95	G O A L		
					1.60	1.60	527.55	G O A L		Br.
					0.84	0.84	528.39	SST. & Sh. Intercalated		
					0.66	0.66	529.05	SST. Med.		
529.05	531.45	2.40	2.34	97.5	1.17	1.70	530.25	SST. Med.		
					0.47	0.48	530.73	SST. Argil.		
					0.05	0.05	530.78	SST. Fgd.		
					0.14	0.14	530.92	Sh.		
					0.51	0.53	531.45	SST. Argil.		
531.45	532.10	0.65	0.65	100.00	0.30	0.30	531.75	SST. Argil.		
					0.08	0.08	531.83	SST. Med.		
					0.27	0.27	532.10	SST. Argil.		
532.10	533.60	1.50	1.08	72.00	0.33	0.46	532.56	SST. Argil.		Br.
					0.20	0.28	532.84	SST. Med.		Br.
					0.24	0.33	533.17	SST. & Sh. Intercalated		Br.
					0.31	0.43	533.60	SST. Argil.		
533.60	535.10	1.50	1.36	90.66	0.26	0.29	533.89	SST. Med.		Br.
					0.53	0.58	534.47	Sh.		
					0.15	0.17	534.64	SST. Argil.		
					0.42	0.46	535.10	Sh.		Br., Fr.

1	2	3	4	5	6	7	8	9	D	11
535.10	536.60	1.50	1.09	72.66	1.09	1.50	536.60	C O A L	Local	Br., Fr., Ps.
536.60	538.15	1.55	1.49	96.12	0.65	0.68	537.28	Csh.		
					0.78	0.81	538.09	C O A L		
					0.06	0.06	538.15	Csh.		Br.
538.15	541.20	3.05	3.05	100.00	0.34	0.34	538.49	C O A L		
					0.14	0.14	538.63	Sh.		
					0.22	0.22	538.85	C O A L		
					0.08	0.08	538.93	Sh.		
					0.77	0.77	539.70	C O A L		
					0.27	0.27	539.97	Sh.		
					0.65	0.65	540.62	C O A L		Br.
					0.58	0.58	541.20	SST. Argill.		Br.
541.20	543.20	2.00	2.00	100.00	0.60	0.60	541.80	SST. Argill.		V. fr.
					0.58	0.58	542.38	SST. & Sh. Intercalated		V. fr.
					0.62	0.62	543.20	SST. Argill.		
543.20	544.35	1.15	1.13	98.26	0.53	0.54	543.74	SST. Ggd.		
					0.60	0.61	544.35	SST. Argill.		
544.35	547.35	3.00	2.96	98.66	0.15	0.16	544.51	SST. Argill.		
					0.36	0.38	544.89	SST. Ggd.		
					2.45	2.46	547.35	Grit.		
547.35	550.35	3.00	2.99	99.66	2.72	2.73	550.08	Grit.		

XVI 49

1	2	3	4	5	6	7	8	9	10	11
550.35	552.05	2.50	2.37	94.8	0.09 0.35	0.09 0.37	550.35 550.72	Sh. Sh.		Br.
					0.24	0.25	550.97	C O A L		
					0.36	0.33	551.35	Sh. with C - atrecks		
					0.74	0.73	552.13	Sh. Arsn.		Sl., Ps.
					0.63	0.72	552.35	SSL. Arsl.		
552.05	555.95	3.10	3.10	100.00	1.43	1.43	554.23	SSL. Arsl.		
					0.25	0.25	554.53	Sh. Aren.		
					0.46	0.46	554.99	SSL. Arsl.		
					0.96	0.96	555.95	SSL. & Sh. Intercalated		
555.95	556.90	0.95	0.94	93.94	0.35	0.36	556.34	SSL. Fgd.		
					0.59	0.59	556.90	SSL. Med.		
556.90	558.95	2.05	2.05	100.00	0.53	0.53	557.43	SSL. Med.		
					1.52	1.52	558.95	Grit.		
558.95	562.10	3.15	3.05	96.32	3.05	3.15	562.10	Grit.		
562.10	565.20	3.10	3.05	93.33	3.05	3.10	565.20	Grit.		
565.20	567.90	2.70	2.67	90.33	2.67	2.70	567.90	Grit.		Fr.
567.90	571.05	3.15	3.00	95.23	3.00	3.15	571.05	Grit.		Fr., Sl., Ps.
571.05	571.40	0.35	0.31	33.57	0.31	0.35	571.40	Grit.		Fr., Sl., Ps.
571.40	572.40	1.00	0.96	96.00	0.96	1.00	572.40	Grit.		Fr., Sl., Ps.
572.40	573.40	1.00	0.15	15.00	0.15	1.00	573.40	Sh. (Small pieces)		
573.40	574.75	1.35	1.32	97.77	1.32	1.35	574.75	Grit.		Bq. Sl. &c

1	2	3	4	5	6	7	8	9	D	11
574.75	577.85	3.10	3.03	99.35	1.83	1.89	576.64	SST. Cgd. with Quartz pebble		Br.
					1.20	1.21	577.85	Grit.		
577.85	578.35	0.50	0.46	92.00	0.24	0.26	578.11	Grit.		Br.
					0.22	0.24	578.35	SST. Argil.		Br.
578.35	579.00	0.65	0.62	95.38	0.62	0.65	579.00	Sh.		Pr., Sl.
579.00	580.90	1.90	1.70	93.68	0.57	0.61	579.61	SST. Argil.		Pr.
					0.13	0.13	579.74	SST. Mgd.		
					1.09	1.16	580.90	SST. Mgd. with Sh. laminae		Pr., V. Pr.
580.90	581.90	1.00	1.00	100.00	0.72	0.72	581.62	SST. Mgd. with Sh. laminae		
					0.23	0.23	581.90	Sh. with Aren. bands		Br.
581.90	583.10	1.20	1.10	99.16	0.23	0.23	582.13	Sh. with Aren. bands		
					0.96	0.97	583.10	SST. Cgd.		Br.
583.10	583.70	0.60	0.56	93.33	0.14	0.15	583.25	SST. Argil.		
					0.42	0.45	583.70	SST. Cgd.		
583.70	586.70	3.00	2.95	98.33	2.95	3.00	586.70	SST. Cgd. to Grit.		Pr.
586.70	587.90	1.20	1.20	100.00	1.20	1.20	587.90	SST. Cgd. to Grit.		Pr., Br.
587.90	589.90	2.00	2.00	100.00	2.00	2.00	589.90	Grit.		Pr., Br.
589.90	590.25	0.35	0.32	91.42	0.09	0.10	590.00	Grit.		
					0.23	0.25	590.25	Sh. Aren. (small pieces)		Br.
590.25	590.95	0.70	0.70	100.00	0.70	0.70	590.95	SST. & Sh. Intercalated		
590.95	592.25	1.30	1.23	94.61	0.56	0.59	591.54	Sh. Aren.		Br., Sl.

1	2	3	4	5	6	7	8	9	10	11
592.25	593.15	0.90	0.86	95.55	0.03	0.03	592.25	SST. Fgd. with Sh. bands		
					0.67	0.70	592.96	Sh.		
593.15	594.40	1.25	1.19	95.2	0.16	0.17	593.15	Sh. Aron.		
					0.21	0.22	593.37	SST. & Sh. Intercalated		
					0.14	0.15	593.52	SST. Mgcl.		
					0.15	0.16	593.68	SST. & Sh. Intercalated		
					0.12	0.13	593.81	SST. Mgcl.		Ps.
					0.57	0.59	594.40	SST. & Sh. Intercalated		
594.40	596.40	2.00	1.94	97.00	1.02	1.06	595.46	SST. & Sh. Intercalated		
					0.07	0.07	595.53	SST. Mgcl.		
					0.53	0.54	596.07	SST. & Sh. Intercalated		
					0.32	0.33	596.40	SST. Mgcl.		
596.40	598.55	2.15	2.11	98.13	0.86	0.88	597.26	SST. Mgcl.		Fr.
					0.61	0.62	597.90	SST. & Sh. Intercalated		
					0.20	0.20	598.10	SST. Mgcl.		
					0.44	0.45	598.55	SST. & Sh. Intercalated		Br.
598.55	599.45	0.90	0.88	97.77	0.88	0.90	599.45	Sh.		Fr.
599.45	601.15	1.70	1.68	98.82	0.86	0.87	600.02	Sh.		
					0.97	0.98	601.00	SST. & Sh. Intercalated		
					0.15	0.15	601.15	SST. Fgd.		
601.15	602.55	1.40	1.38	98.57	0.88	0.90	602.05	SST. & Sh. Intercalated		
					0.50	0.50	602.55	Sh.		

1	2	3	4	5	6	7	8	9	10	11
602.55	604.55	2.00	2.00	100.00	0.78	0.78	603.32	Sh.	Fr.	
					1.22	1.22	604.55	SST. Med.		
604.55	605.85	1.30	1.23	96.46	0.44	0.45	605.00	SST. Med.		
					0.41	0.42	605.42	Dolomite		
					0.21	0.21	605.63	SST. Argil.		
					0.22	0.22	605.85	SST. Med.		
605.85	607.45	1.60	1.56	97.5	0.60	0.62	606.47	SST. Med.		
					0.44	0.45	606.92	Sh. Aren.		
					0.42	0.43	607.35	SST. Med.		
					0.0	0.0	607.45	Sh.		
607.45	609.75	2.30	2.30	100.00	0.55	0.55	608.00	Sh. with Aren. bands		
					0.91	0.91	608.91	SST. Argil.		
					0.71	0.71	609.62	SST. Med. with Sh. laminae		
					0.13	0.13	609.75	Sh.		
609.75	609.95	0.20	0.18	90.00	0.18	0.20	609.95	Sh.	V. Fr.	
609.95	610.05	0.10	0.10	100.00	0.10	0.10	610.05	Sh.		
610.05	611.70	1.65	1.62	98.18	0.06	0.06	610.11	Sh.	Sl.	
					1.56	1.57	611.70	Dolomite with Calcite filling		
611.70	614.40	2.70	2.70	100.00	1.48	1.48	613.18	Dolomite with Calcite filling		
					0.12	0.12	613.30	Sh. banded		
					0.27	0.27	613.97	Dolomite		

1	2	3	4	5	6	7	8	9	10	11
614.40	614.90	0.50	0.41	82.00	0.13	0.16	614.56	Sh. baked		
					0.28	0.34	614.90	Sh.		
614.90	615.90	1.00	0.97	97.00	0.97	1.00	615.90	Sh.		
615.90	616.80	0.90	0.88	97.77	0.88	0.90	616.80	Sh.		
616.80	618.00	1.20	1.18	98.33	1.18	1.20	618.00	Sh.		
618.00	618.80	0.80	0.70	87.5	0.70	0.80	618.80	Sh. (Sudge)		
618.80	619.35	0.55	0.49	89.09	0.24	0.27	619.07	Sh. baked		
					0.25	0.28	619.35	SST. & Sh. Intercolated		
619.35	620.45	1.10	0.93	84.54	0.49	0.58	619.93	SST. & Sh. Intercolated		
					0.44	0.52	620.45	Sh.		
620.45	621.00	0.55	0.42	76.36	0.42	0.55	621.00	Sh.		
621.00	623.00	2.00	1.95	97.5	0.52	0.53	621.53	Sh. Aren.		
					1.43	1.47	623.00	SST. & Sh. Intercolated		
623.00	624.50	1.50	1.39	92.66	1.39	1.50	624.50	SST. & Sh. Intercolated		
624.50	626.20	1.70	1.50	88.23	1.08	1.16	625.66	SST. Mgd. with Sh. Laminæ		
					0.50	0.54	626.20	Sh. Aren.		
626.20	627.70	1.50	1.45	96.66	1.45	1.50	627.70	SST. & Sh. Intercolated		
627.70	629.00	1.30	1.22	93.84	1.22	1.30	629.00	SST. & Sh. Intercolated		

XIII

1	2	3	4	5	6	7	8	9	10	11
629.00	632.00	3.00	2.87	95.66	0.80	0.84	629.84	SST. Mg _d .		
					0.39	0.40	630.24	SST. & Sh. Intercalated		
					0.09	0.12	630.36	C O A L		
					0.51	0.53	630.89	SST. & Sh. Intercalated		
					0.25	0.26	631.15	SST. Mg _d .		
					0.69	0.71	631.86	SST. & Sh. Intercalated		
					0.14	0.14	632.00	SST. Mg _d .		
632.00	634.00	2.00	1.88	94.00	0.66	0.70	632.70	Sh. baked		
					0.74	0.78	633.48	Jh.		
					0.48	0.52	634.00	M.F.		
634.00	635.50	1.50	1.50	100.00	0.41	0.41	634.41	M.F.		
					1.09	1.09	635.50	Jh. + M.F.		
635.50	637.50	2.00	1.94	97.00	1.16	1.20	636.70	Jh. + M.F.		
					0.49	0.50	637.20	Jh.		
					0.29	0.30	637.50	M.F.		
637.50	638.60	1.10	1.08	98.18	0.27	0.27	637.77	M.F.		
					0.48	0.49	638.26	Jh. + M.F.		
					0.33	0.34	638.60	Jh.		
					0.65	0.68	639.28	Jh. + M.F.		
638.60	640.60	2.00	1.91	95.5	0.08	0.08	639.36	M.F.		
					0.32	0.33	639.69	Jh. + M.F.		

XI/XII

Fr.

1	2	3	4	5	6	7	8	9	10	11
									XI/XII	
640.60	642.00	1.40	1.39	92.14	0.36	0.38	640.10	Jh.		
642.00	643.40	1.40	1.27	90.71	0.47	0.50	640.60	SST. & Sn. Intercalated		
643.40	645.40	2.00	1.87	93.5	1.29	1.40	642.00	SST. & Sn. Intercalated		
					1.27	1.40	643.40	SST. & Sn. Intercalated		Fr.
					1.00	1.07	644.47	SST. Argil.		
645.40	647.40	2.00	1.95	97.5	0.87	0.93	645.40	SST. Mgcl. wth Sn. Laminae		
					0.70	0.72	646.12	SST. Mgcl.		
					0.28	0.28	646.40	SST. & Sn. Intercalated		
					0.97	1.00	647.40	SST. Cgd.		
647.40	648.50	1.10	1.02	92.72	1.02	1.10	648.50	SST. Cgd.		Fr.
648.50	651.55	3.05	2.94	96.39	1.45	1.50	650.00	SST. Cgd.		Fr.
					1.49	1.55	651.55	Grilt.		
651.55	653.30	1.75	1.70	97.14	1.70	1.75	653.30	Grilt.		
653.30	655.30	2.00	1.92	96.00	1.92	2.00	655.30	Grilt.		
655.30	657.60	2.30	2.17	94.34	2.17	2.30	657.60	Grilt.		
657.60	658.75	1.15	1.12	97.39	1.12	1.15	658.75	SST. Argil.		
658.75	660.80	2.05	2.02	98.53	0.30	0.30	659.05	SST. Argil.		
					1.72	1.75	660.80	SST. Cgd.		
660.80	661.70	0.90	0.85	94.44	0.85	0.90	661.70	SST. Cgd.		
661.70	662.00	0.30	0.30	100.00	0.30	0.30	662.00	SST. Cgd.		
662.00	665.00	3.00	2.80	93.33	2.80	3.00	665.00	Grilt.		
665.00	665.90	0.90	0.90	100.00	0.90	0.90	665.90	Grilt.		

1	2	3	4	5	6	7	8	9	10	11
665.90	667.00	1.10	1.03	93.63	0.26	0.28	666.18	Grit with quartz pebbles		
					0.77	0.82	667.00	SST. & Sh. Intercalated		
667.00	668.05	1.05	1.00	95.23	0.22	0.24	667.24	SST. & Sh. Intercalated		
					0.28	0.31	667.55	Sh. with C - streaks		
					0.50	0.50	668.05	Sh.		
668.05	670.75	2.70	2.63	97.40	0.80	0.80	668.35	Sh.		
					0.37	0.37	669.22	SST. argill.		
					0.18	0.20	669.42	SST. Cgd. with Sh. band		
					1.28	1.33	670.75	Sh.		
670.75	671.30	0.55	0.54	98.18	0.54	0.55	671.30	Sh. lven.		Fr., Sl.,
671.30	673.75	2.45	2.29	93.46	2.29	2.45	673.75	SST. & Sh. Intercalated		Fr., Sl.
673.75	676.60	2.85	2.83	99.29	1.77	1.78	675.53	SST. & Sh. Intercalated		
					1.06	1.07	676.60	Sh. with C - streaks.		
676.60	677.20	0.60	0.55	91.66	0.55	0.60	677.20	Sh.		Fr., Sl.
677.20	680.10	2.90	2.60	89.65	2.60	2.90	680.10	Sh.		Br.
680.10	681.00	0.90	0.88	97.77	0.88	0.90	681.00	Sh.		
681.00	683.50	2.50	2.43	97.2	0.20	0.20	681.20	Sh.		
					0.22	0.22	681.42	Sh. with C - bands		
					0.73	0.76	682.18	Sh.		
					0.10	0.10	681.28	C O L L		
					0.52	0.54	682.82	Sh.		
					0.66	0.68	683.50	C O L L		

1	2	3	4	5	6	7	8	9	10	11
683.50	685.85	2.35	2.16	91.91	1.71	1.86	685.36	0 0 A L		Br.
					0.17	0.19	685.55	Sh.		
685.85	688.85	3.00	2.95	98.33	0.28	0.30	685.85	0 0 A L		Br.
688.85	690.85	2.00	1.94	97.00	2.95	3.00	688.85	0 0 A L		Br., Fr.
690.85	692.10	1.25	1.20	96.00	1.94	2.00	690.85	0 0 A L		Br., Fr.
692.10	695.15	3.05	3.05	100.00	1.20	1.25	692.10	0 0 A L		Br., Fr.
					0.14	0.14	692.24	Sh. with C - streaks		
695.15	698.25	3.10	3.05	98.38	2.91	2.91	695.15	SST. & Sh. Intercalated		
698.25	699.75	1.50	1.47	98.00	3.05	3.10	698.25	SST. & Sh. Intercalated		
699.75	701.40	1.65	1.60	96.96	1.47	1.50	699.75	SST. & Sh. Intercalated		
					0.36	0.37	700.12	Csh. with C - streaks		
					0.69	0.71	700.83	0 0 A L		
					0.08	0.08	700.91	Sh.		
					0.47	0.49	701.40	0 0 A L		VIII B
701.40	702.25	0.85	0.74	87.05	0.05	0.06	701.46	0 0 A L		
					0.59	0.67	702.13	Sh. with C - streak		
					0.10	0.12	702.25	Sh. Aven.		
702.25	704.55	2.30	2.30	100.00	0.15	1.15	703.40	Sh. Aven.		
					1.15	1.15	704.55	SST. Med. to SST. Ogd. with Sh. bands.		
704.55	707.65	3.10	3.10	100.00	2.57	2.57	707.12	Crit.		
					0.53	0.53	707.65	SST. Ogd.		

1	2	3	4	5	6	7	8	9	10	11
707.65	710.75	3.10	3.10	100.00	3.10	3.10	710.75	Grit.		
710.75	713.50	2.75	2.66	96.72	2.66	2.75	713.50	Grit.		
713.50	715.50	2.00	1.98	99.00	1.98	2.00	715.50	Grit.		Fr.
715.50	716.70	1.20	1.20	100.00	1.20	1.20	716.70	Grit.		
716.70	719.80	3.10	3.05	98.38	3.05	3.10	719.80	Grit.		
719.80	722.90	3.10	3.10	100.00	3.10	3.10	722.90	SST. Cgd. to Grit.		
722.90	724.90	2.00	1.96	98.00	0.40	0.40	723.30	SST. Cgd. to Grit.		
					0.76	0.78	724.08	St. Aren.		
					0.80	0.82	724.90	SST. Mgd. with St. bands		St., Fr.
724.90	726.15	1.25	1.25	100.00	1.25	1.25	726.15	St.		
726.15	728.15	2.00	2.00	100.00	2.00	2.00	728.15	Sc		
728.15	729.85	1.70	1.70	100.00	1.70	1.70	729.85	Sc		
729.85	731.55	1.70	1.70	100.00	1.70	1.70	731.55	Sc		
731.55	732.05	0.50	0.48	96.00	0.48	0.50	732.05	St. with C - bands		Br.
732.05	735.05	3.00	2.94	98.00	0.20	0.20	732.25	St. Aren.		Br.
					1.78	1.82	734.07	SST. & St. Intercalated		
					0.96	0.98	735.05	SST. Mgd.		
735.05	736.80	1.75	1.74	99.42	1.74	1.75	736.80	SST. Mgd.		
736.80	739.35	2.55	2.53	99.21	2.53	2.85	739.35	SST. Cgd.		
739.35	740.55	1.20	1.20	100.00	1.20	1.20	740.55	SST. Cgd.		
740.55	741.55	1.00	0.90	90.00	0.90	1.00	741.55	SST. Cgd.		
741.55	744.05	2.50	2.48	99.2	2.48	2.70	744.05	SST. Cgd.		

VIII A

1	2	3	4	5	6	7	8	9	10	11
747.45	750.55	3.10	3.10	100.00	0.87	0.89	745.69	SST. & Sn. Intercalated		Fr.
750.55	752.70	2.15	2.11	98.13	0.30	0.31	746.00	SST. Med.		
					0.25	0.26	746.26	SST. & Sn. Intercalated		
					0.63	0.64	746.90	Sn.		
					0.36	0.37	747.27	Sn. with C - streak		
					0.18	0.18	747.45	C O A L		
					1.95	1.95	749.40	SST. & Sn. Intercalated		
					1.05	1.15	750.55	SST. Cgd.		
					0.17	0.17	750.72	SST. Cgd.		
					0.23	0.24	750.96	Sn. with C - streak		
					0.13	0.13	751.09	C O A L		
					0.10	0.10	751.19	Sn.		
					1.48	1.51	752.70	C O A L		
752.70	753.90	1.20	1.16	96.66	0.30	0.31	753.01	Sc.		Fr.
					0.75	0.77	753.78	C O A L	VIII	
					0.11	0.12	753.90	Sn.		
753.90	756.90	3.00	2.97	99.00	0.29	0.29	754.19	Sn. with C - streak		
					0.88	0.88	755.07	SST. Argill.		
					1.80	1.83	756.90	SST. & Sn. Intercalated		
756.90	760.00	3.10	3.04	98.06	1.66	1.69	758.59	SST. & Sn. Intercalated		
					1.38	1.41	760.00	Gr. t.		Fr.
760.00	763.00	3.00	2.95	98.33	0.25	0.26	760.26	Cal.		
					0.14	0.14	760.40	C O A L		

1	2	3	4	5	6	7	8	9	10	11
					0.42	0.43	760.83	Csh.		
					0.09	0.09	760.92	C O L L		
					0.33	0.34	761.26	Csh.		
					0.19	0.19	761.45	esh		
					0.09	0.09	761.54	Sh.		
					0.87	0.88	762.42	C O L L		
					0.19	0.19	762.61	Csh.		
					0.36	0.39	763.00	C O L L		Br.
763.00	766.00	3.00	2.98	99.33	0.32	0.32	763.32	Csh.		
					0.48	0.48	763.80	C O L L		
					0.50	0.50	764.30	Sh.		
					1.68	1.70	766.00	C O L L		Br., Fr.
766.00	769.05	3.05	3.03	99.34	0.15	0.15	766.15	Sh.		
					0.55	0.55	766.70	C O L L		
					0.59	0.59	767.29	Sh. with C - streak		V/VI/VII
					0.62	0.63	767.92	C O L L		
					0.13	0.13	768.05	Csh.		
					0.56	0.57	768.62	C O L L		
					0.10	0.10	768.72	Sh.		
					0.33	0.33	769.05	C O L L		
769.05	772.10	3.05	3.04	99.67	0.18	0.18	769.23	C O L L		

1	2	3	4	5	6	7	8	9	10	11
784.15	737.20	3.05	2.97	97.37	0.13	0.14	784.29	C O A L		
					0.14	0.15	784.44	Sh.		
					0.07	0.38	785.32	Sc.		
					1.43	1.45	786.77	C O A L		
					0.21	0.22	786.99	Sc.		
					0.10	0.11	787.10	C O A L		
					0.09	0.10	787.20	Sc.		
787.20	790.30	3.10	3.09	99.67	0.45	0.45	787.65	Csh. with C - streaks		V/VI/VII
					0.22	0.22	787.87	C O A L		
					0.11	0.11	787.93	Csh. with C - streaks		
					0.09	0.09	788.07	C O A L		
					0.23	0.23	788.30	Csh.		
					0.56	0.56	788.86	C O A L		
					0.14	0.14	789.00	Sh.		
					0.90	1.00	790.00	C O A L		
					0.30	0.30	790.30	Sh.		
790.30	791.70	1.40	1.37	97.65	1.07	1.09	791.39	Sh. with C - streak		
					0.30	0.31	791.70	SST. & Sh. Intercalated		
791.70	793.75	2.05	2.03	99.02	2.03	2.05	793.75	Grt. t.		

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. MB - 5.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
Local (L-11)	266.60	266.73	0.13	
Local (L-10)	271.50	271.70	0.20	
XVIIID	292.00	292.55	0.47	
XVIIIC	307.45	309.11	1.66	
XVIIIB	310.80	312.19	1.39	
XVIIIA	317.32	319.23	1.91	
XVIIIA	329.07	330.47	1.40	
Local	340.65	349.97	0.32	
Local (L-8)	379.00	379.16	0.16	
Local (L-7)	392.36	392.76	0.40	
XVII	415.38	418.21	2.83	
XVII	436.98	438.83	1.85	
Local (L-6)	461.82	462.55	0.73	
Local (L-5)	464.58	465.23	0.65	
Local (L-4)	470.30	470.90	0.60	
Local (L-3)	476.92	477.52	0.60	
Local (L-2)	499.66	500.25	0.59	
XVI D	509.83	511.40	1.57 Jh.	
XVI C	524.27	527.55	3.28	
Local	535.31	536.60	1.29	
XVI A/B	537.28	540.62	3.34	
XVI	550.08	550.26	0.18	
XIII	614.66	618.31	3.75	Jh. M.P.
XI/XII	632.70	640.10	7.40 Jh. M.P.	
VIII C/IX/X	682.82	692.10	9.28	
VIII B	700.12	701.46	1.34	
VIII A	727.51	731.50	3.99	
VIII	750.96	753.78	2.82	
V/VI/VII	761.54	790.00	28.46	

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B O R E H O L E N O M B - 6 .

Latitude : 19335.3495

R. L. of Collar : 193.646 m.

Commenced on : 23-10-78

Departure: 22473.0589

Depth drilled : 617.80 m.

Completed on : 9-3-79

All dimensions in metre:

R U N	From	To	Thickness	RECOVERY		THICKNESS		Depth of Floor	L I T H O L O G Y	Seam Correlation	Structural Features.
				Recovered	Percent	Recovered	Extrapolated				
	1	2	3	4	5	6	7	8	9	10	11
0.00	3.40	3.40	-	-	-	-	-	3.40	Soil		
3.40	6.45	3.05	2.25	73.77	2.25	3.05		6.45	SST. Cgd. to Grit.		
6.45	9.50	3.05	1.10	36.06	0.25	0.69		7.14	SST. Cgd. to Grit.		
						0.85	2.36	9.50	Sh. Aren.		
9.50	12.55	3.05	2.12	69.50	1.90	2.73		12.23	SST. Sh. Intercalated		
						0.22	0.32	12.55	SST. Cgd.		
12.55	14.05	1.50	1.47	98.00	0.27	0.46		13.01	SST. Mgd. with Csh. Laminae		
						1.30	1.04	14.05	SST. & Sh. Intercalated		
14.05	17.10	3.05	2.92	95.73	1.38	1.44		15.49	SST. & Sh. Intercalated		
						0.26	0.28	15.77	SST. Mgd.		
						1.28	1.33	17.10	SST. & Sh. Intercalated		
17.10	20.10	3.00	2.89	96.33	0.97	1.00		18.10	SST. & Sh. Intercalated		
						1.46	1.52	19.62	SST. Mgd. with Sh. Laminae		
						0.46	0.48	20.10	SST. & Sh. Interbanding		

BORE HOLE NO. MB - 6.

1	2	3	4	5	6	7	8	9	10	11
20.10	22.05	1.95	1.92	98.46	0.14	0.14	20.24	SST. Argill.		
					1.78	1.81	22.05	SST. Mgd.		Fr.
22.05	25.15	3.10	3.08	99.35	2.03	2.05	24.10	SST. Argill.		
					1.05	1.05	25.15	Sh. Aren.		
25.15	26.15	1.00	0.97	97.00	0.50	0.52	25.67	Sh. Aren.		Fr.
					0.47	0.48	26.15	SST. Mgd. with Sh. Laminæ		
26.15	29.20	3.05	2.91	94.40	0.44	0.46	26.61	SST. Mgd.		
					0.78	0.82	27.43	SST. & Sh. Intercalated		S.
					0.91	0.96	28.39	SST. Mgd.		
					0.78	0.81	29.20	SST. & Sh. Intercalated		
29.20	31.40	2.20	2.19	99.54	1.08	1.09	30.29	SST. & Sh. Intercalated		S., Fr.
					1.03	1.03	31.32	SST. Mgd.		
					0.08	0.08	31.40	Sh.		
31.40	34.45	3.05	3.01	98.58	0.50	0.50	31.90	Sh.		
					1.86	1.89	33.79	SST. & Sh. Intercalated		
					0.65	0.66	34.45	SST. Mgd.		
34.45	37.50	3.05	2.87	94.09	2.70	2.87	37.32	SST. & Sh. Intercalated		
					0.17	0.18	37.50	SST. Mgd.		
37.50	38.25	0.75	0.74	98.66	0.74	0.75	38.25	SST. Mgd.		
38.25	41.25	3.00	3.00	100.00	0.70	0.70	38.95	SST. Mgd.		
					0.20	0.20	39.15	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
65.55	68.60	3.05	3.05	100.00	0.36	0.36	65.55	SST. Cgd.		
68.60	71.70	3.10	3.10	100.00	3.05	3.05	68.60	SST. Cgd.		
					2.75	2.75	71.35	SST. Cgd. with Sh. bands		
71.70	74.75	3.05	3.05	100.00	0.35	0.35	71.70	SST. & Sh. Intercalated		
74.75	77.80	3.05	3.02	99.01	3.05	3.05	74.75	SST. & Sh. Intercalated		
77.80	80.00	2.20	2.17	98.63	0.26	0.26	77.80	SST. & Sh. Intercalated		
					0.21	0.21	78.06	SST. & Sh. Intercalated		
					0.21	0.21	78.27	SST. Mgd.		
80.00	83.00	3.00	2.90	96.66	1.70	1.73	80.00	SST. & Sh. Intercalated		
					0.83	0.86	80.86	SST. & Sh. Intercalated		
					0.28	0.29	81.15	Sh.		
					0.73	0.75	81.90	SST. & Sh. Intercalated		
					0.19	0.20	82.10	SST. Mgd.		
83.00	86.00	3.00	3.00	100.00	0.87	0.90	83.00	SST. & Sh. Intercalated		
86.00	88.45	2.45	2.45	100.00	3.00	3.00	86.00	SST. & Sh. Intercalated		
					1.15	1.15	87.15	SST. & Sh. Intercalated		
					0.30	0.30	87.45	SST. Mgd.		
					1.00	1.00	88.45	Sh.		
88.45	90.20	1.75	1.75	100.00	1.00	1.00	89.45	Sh.		
					0.04	0.04	89.49	SST. Mgd.		
					0.14	0.14	89.63	Sh. with C - bands		
					0.57	0.57	90.20	SST. Mgd.		

Sh., Fr.

Fr. Sh. Ps.

Fr., Sh., Ps., Vp

1	2	3	4	5	6	7	8	9	10	11
90.20	93.20	3.00	2.95	98.33	1.45	1.47	91.67	SST. Mgcl. with St. laminae		
					1.50	1.53	93.20	SST. & St. Intercalated		
93.20	96.05	2.85	2.01	98.59	0.37	0.38	93.38	St.		
					0.63	0.69	94.22	SST. Cgd.		
					0.78	0.79	95.01	St.		
					1.03	1.04	96.05	SST. & St. Intercalated		Fr.
96.05	99.15	3.10	2.99	96.45	1.00	1.04	97.09	St.		Fr.
					0.78	0.81	97.90	SST. Argil.		
					0.55	0.57	98.47	SST. Mgcl. with St. band		
					0.66	0.68	99.15	SST. Cgd.		
99.15	102.25	3.10	3.09	99.67	1.92	1.93	101.08	SST. Cgd.		
					0.14	0.14	101.22	St.		
					1.03	1.03	102.25	SST. Cgd.		
102.25	105.00	2.75	2.66	96.72	0.36	0.37	102.62	SST. Cgd. with Quartz pebble at bottom		
					1.41	1.46	104.08	SST. & St. Intercalated		Fr.
					0.75	0.78	104.86	SST. Mgcl.		
					0.14	0.14	105.00	SST. & St. Intercalated		
105.00	107.90	2.90	2.86	98.62	2.86	2.90	107.90	SST. & St. Intercalated		Fr.
107.90	108.70	0.80	0.78	97.50	0.78	0.80	108.70	SST. & St. Intercalated		Fr.
108.70	110.75	2.05	2.05	100.00	1.45	1.45	110.15	SST. & St. Intercalated		
					0.60	0.60	110.75	St.		

1	2	3	4	5	6	7	8	9	10	11
110.75	112.00	1.25	1.25	100.00	1.25	1.25	112.00	Sh. with Aren. bands		
112.00	115.05	3.05	3.05	100.00	0.76	0.76	112.76	Sh. with Aren. bands		
					0.59	0.59	113.35	SST. & Sh. Intercalated		
					1.36	1.36	114.71	SST. Mg'd.		
					0.21	0.21	114.92	SST. & Sh. Intercalated		
					0.13	0.13	115.05	SST. Mg'd.		Fr.
115.05	117.90	2.85	2.68	94.03	0.94	1.00	116.05	SST. & Sh. Intercalated		Fr., Vfr., Br.
					1.74	1.85	117.90	SST. Mg'd.		
117.90	121.50	3.60	2.52	97.77	1.13	1.16	119.06	SST. Mg'd.		Fr., Br.
					2.39	2.44	121.50	SST. & Sh. Intercalated		Fr., Vfr., Br.
121.50	124.20	2.70	2.68	99.25	2.68	2.70	124.20	SST. & Sh. Intercalated		
124.20	127.25	3.05	2.53	82.95	0.45	0.54	124.74	Sh. Aren.		
					0.78	0.94	125.68	SST. Mg'd.		
					1.00	1.21	126.89	SST. & Sh. Intercalated		
					0.30	0.36	127.25	SST. Cgd.		
127.25	130.35	3.10	3.10	100.00	0.71	0.71	127.96	SST. Mg'd.		
					1.91	1.91	129.87	SST. & Sh. Intercalated		
					0.48	0.48	130.35	SST. Mg'd.		
130.35	133.45	3.10	3.10	100.00	0.60	0.60	130.95	SST. Mg'd.		
					2.50	2.50	133.45	SST. & Sh. Intercalated		
133.45	136.55	3.10	3.07	99.03	3.07	3.10	136.55	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
136.55	139.55	3.00	2.87	95.66	2.87	3.00	139.55	Sh. Aren.	Fr., S.	
139.55	142.10	2.55	2.55	100.00	2.55	2.55	142.10	Sh.	Fr., Br.	
142.10	143.10	1.00	0.42	42.00	0.42	1.00	143.10	SST. & Sh. Intercalated	Br.	
143.10	144.30	1.20	1.15	95.83	0.74	0.77	143.87	SST. & Sh. Intercalated		
					0.20	0.21	144.08	SST. Mgcl.		
					0.21	0.22	144.30	SST. & Sh. Intercalated		
144.30	147.40	3.10	3.07	99.03	0.97	0.98	145.28	SST. & Sh. Intercalated		
					1.45	1.47	146.75	SST. Cgd.		
					0.53	0.53	147.28	SST. Mgcl.		
					0.12	0.12	147.40	SST. Fgd.		
147.40	150.40	3.00	3.00	100.00	3.00	3.00	150.40	SST. Mgcl. with Sh. Laminar		
150.40	151.00	0.60	0.60	100.00	0.60	0.60	150.00	SST. Mgcl.		
151.00	153.20	2.20	2.19	99.54	0.47	0.47	151.47	SST. Mgcl.		
					0.88	0.89	152.36	SST. Argill.		
					0.98	0.98	152.94	SST. Mgcl.		
					0.26	0.26	153.20	SST. & Sh. Intercalated		
153.20	155.40	2.20	2.19	99.54	2.19	2.20	155.40	SST. & Sh. Intercalated		
155.40	158.25	2.85	2.85	100.00	1.90	1.90	157.30	SST. & S. Intercalated		
					0.95	0.95	158.25	SST. Mgcl.		
158.25	161.25	3.00	2.98	99.33	0.60	0.60	158.85	SST. Mgcl.		

1	2	3	4	5	6	7	8	9	10	11
164.10	166.95	2.85	2.85	100.00	2.41 0.38	2.41 0.38	164.10 164.48	SST. Mg'd. wth Sn. band SST. Mg'd. wth Sn. band	Br., Fr., S.	
166.95	169.40	2.45	2.44	99.59	2.47 1.52	2.47 1.53	166.95 168.48	SST. & Sn. Intercalated SST. & Sn. Intercalated	Br., S., Ps. Br., S., Ps.	
169.40	172.40	3.00	2.84	94.66	0.92 0.35	0.92 0.37	169.40 169.77	SST. Mg'd. SST. & Sn. Intercalated		
					0.85 0.97	0.90 1.02	170.67 171.69	SST. Mg'd. SST. Argill.		
172.40	174.15	1.75	1.72	98.28	0.67 1.72	0.71 1.75	172.40 174.15	SST. & Sn. Intercalated SST. & Sn. Intercalated	S., Ps. S., Ps.	
174.15	176.30	2.15	2.15	100.00	1.15 1.00	1.15 1.00	175.30 176.30	SST. Mg'd. SST. & Sn. Intercalated	Fr., S., Ps., Vfr. S., Ps.	
176.30	178.70	2.40	2.38	99.16	0.42 1.30	0.42 1.32	176.72 178.04	SST. & Sn. Intercalated SST. Cgd.	S., Ps.	
178.70	181.45	2.75	2.65	96.36	0.66 1.10	0.66 1.15	178.70 179.85	SST. & Sn. Intercalated SST. & Sn. Intercalated	Fr.	
					0.62 0.08	0.64 0.08	180.49 180.57	SST. Cgd. SST. & Sn. Intercalated		
					0.24 0.25	0.25 0.26	180.82 181.08	C O A L Jh.		
181.45	182.50	1.05	1.05	100.00	0.25 0.36	0.26 0.37	181.08 181.45	M.F.		
					0.60	0.60	182.05	N.F.		

1	2	3	4	5	6	7	8	9	10	11
182.50	185.50	3.00	2.86	95.33	0.45	0.45	182.50	Sh. band	Br.	
					1.36	1.43	183.93	SST. & Sh. Intercalated		
					1.50	1.57	185.50	SST. Cgd.		
185.50	188.50	3.00	2.78	92.66	2.78	3.00	188.50	SST. Cgd.		
188.50	191.55	3.05	2.90	95.08	0.38	0.40	188.90	SST. & Sh. Intercalated		
					0.42	0.44	189.34	SST. Cgd.		
					0.23	0.24	189.58	SST. & Sh. Intercalated		
					0.85	0.89	190.47	SST. Cgd.		
					0.51	0.54	191.01	SST. & Sh. Intercalated	Fr.	
					0.09	0.09	191.10	C O A L		
					0.10	0.11	191.21	Sh.		
					0.32	0.34	191.55	SST. & Sh. Intercalated		
191.55	194.60	3.05	3.01	98.68	0.67	0.68	192.23	Sh.		
					0.32	0.21	192.44	SST. & Sh. Intercalated		
					0.80	0.81	193.25	SST. Mgd. with Sh. bands		
					0.10	0.10	193.35	Sh. Aren.		
					0.57	0.58	193.93	SST. Mgd.		
					0.65	0.67	194.60	Sh.		
194.60	197.70	3.10	3.10	100.00	0.68	0.68	195.28	Sh.		
					0.11	0.11	195.39	SST. Cgd.		

Fr.

1	2	3	4	5	6	7	8	9	10	11
197.70	200.75	3.05	3.00	98.36	0.16	0.16	196.83	SST. Cgd.		
200.75	203.85	3.10	3.10	100.00	0.25	0.25	197.08	Sh.		
					0.15	0.15	197.23	C O A L		
					0.47	0.47	197.70	SST. Argil.		
					3.00	3.05	200.75	Grit with quartz pebbles		
					0.15	0.15	200.90	Grit with quartz pebbles		
					1.85	1.85	202.75	SST. Cgd.		
					0.80	0.80	203.55	Grit.		
					0.20	0.20	203.75	SST. & Sh. Intercalated		
					0.10	0.10	203.85	Grit.		
203.85	206.90	3.05	3.02	99.01	0.31	0.31	204.16	Grit.		
					1.69	1.70	205.86	SST. & Sh. Intercalated		
					1.02	1.04	206.90	SST. Mgd.		
206.90	210.00	3.10	3.06	98.70	0.74	0.75	207.65	SST. Mgd.		
					2.32	2.35	210.00	SST. & Sh. Intercalated		
210.00	213.05	3.05	2.94	96.39	0.32	0.33	210.33	SST. Mgd. with Sh.		
					0.26	0.27	210.60	SST. & Sh. Intercalated		
					0.18	0.19	210.79	SST. Cgd.		
					0.68	0.70	211.49	Sh.		
					0.30	0.31	211.80	C O A L		
213.05	216.10	3.05	3.01	98.68	1.20	1.25	213.05	SST. & Sh. Intercalated		
					0.83	0.84	213.89	Sh.		

Fr., Br.

1	2	3	4	5	6	7	8	9	10	11
216.10	219.15	3.05	2.98	97.70	0.83	0.84	213.89	\$1.		
					0.12	0.12	214.01	C O A L		
					1.72	1.74	215.75	SST. & St. Intercalated		
					0.34	0.35	216.10	SST. Med.		
					2.48	2.54	218.64	SST. Med. with St. bands		
					0.21	0.21	218.85	\$1.		
					0.29	0.30	219.15	C O A L		
219.15	220.80	1.65	1.64	99.39	0.05	0.05	219.20	C O A L		
					0.29	0.29	219.49	\$1. with C - streaks		
					1.30	1.31	220.80	SST. Argil.		
220.80	222.20	1.40	1.40	100.00	1.40	1.40	222.20	SST. & St. Intercalated		
222.20	225.25	3.05	2.93	96.06	1.00	1.04	223.24	SST. Med. with St. laminae		
					0.73	0.76	224.00	SST. Fgd. with St. bands		
					1.20	1.25	225.25	SST. Med. with St.		
225.25	228.30	3.05	2.98	97.70	0.28	0.29	225.54	SST. & St. Intercalated		
					0.24	0.25	225.79	\$1.		
					0.76	0.76	225.95	C O A L		
					1.47	1.50	227.45	SST. & St. Intercalated		
					0.45	0.46	227.91	\$1.		
					0.19	0.19	228.10	SST. & St. Intercalated		
					0.19	0.20	228.30	SST. Fgd.		

1	2	3	4	5	6	7	8	9	10	11
228.30	231.35	3.05	3.04	99.67	1.06	1.06	229.36	SST. & Sh. Intercalated		Pr.
					0.08	0.08	229.44	C O A L		
					0.12	0.12	229.56	SST. Argil.		
					0.05	0.05	229.61	Sh.		
					0.05	0.05	229.66	C O A L		
231.35	234.45	3.10	3.02	97.41	1.68	1.69	231.35	SST. & Sh. Intercalated		
					0.36	0.37	231.72	SST. & Sh. Intercalated		
					1.31	1.35	233.07	SST. Cgd.		
					0.81	0.83	233.90	Sh. Aren.		
					0.54	0.55	234.45	SST. C g'd. with Sh. bands		
234.45	237.45	3.00	3.00	100.00	0.96	0.96	235.41	SST. Cgd. with Sh. bands		
					1.10	1.10	236.75	SST. Cgd.		
					0.57	0.57	237.32	SST. Mg'd.		
					0.13	0.13	237.45	Sh.		
237.45	237.85	0.40	0.40	100.00	0.30	0.30	237.75	SST. & Sh. Intercalated		
					0.10	0.10	237.85	Sh.		
237.85	238.85	1.00	0.94	94.00	0.86	0.92	238.77	Sh.		
					0.08	0.08	238.85	Sh. Aren.		
238.85	240.50	1.65	1.60	96.96	0.46	0.47	239.32	SST. Argil. with C-bands		
					1.14	1.18	240.50	SST. & Sh. Intercalated.		
240.50	243.55	3.05	3.05	100.00	0.26	0.26	240.76	Sh. with C - streak.		

1	2	3	4	5	6	7	8	9	10	11
243.55	246.65	3.10	3.09	99.67	1.23	1.24	244.79	Sh. with Aren. bands		
					0.36	0.36	245.15	SST. Mgcl. with Sh. Laminæ		
					0.84	0.84	245.99	Sh. with Aren. bands		
					0.36	0.36	246.35	SST. Mgcl.		
					0.30	0.30	246.65	Sh.		
246.65	247.15	0.50	0.48	96.00	0.48	0.50	247.15	Sh.		Br.
247.15	249.65	2.50	2.46	98.40	1.75	1.78	248.93	Sh.		Br., Fr.
					0.71	0.72	249.65	SST. Argil.		
249.65	252.75	3.10	3.05	98.38	3.05	3.10	252.75	SST. & Sh. Intercalated		
252.75	254.75	2.00	1.35	67.50	1.17	1.73	254.48	SST. & Sh. Intercalated		
					0.18	0.27	254.75	Sh. Aren.		
254.75	256.15	1.40	1.40	100.00	0.13	0.13	254.88	Sh.		
					0.75	0.75	255.63	C O A L		Br.
					0.25	0.25	255.88	Sh. with Coal Streak		
					0.27	0.27	256.15	SST. Argil.		
256.15	259.20	3.05	3.05	100.00	0.10	0.10	256.25	SST. Argil.		
					2.95	2.95	259.20	SST. Gcd.		

Loc 1(L-11)

1	2	3	4	5	6	7	8	9	10	11
259.20	262.30	3.10	3.10	100.00	0.63	0.63	259.83	SST. Cgd.		
					2.47	2.47	262.30	SST. & Sh. Intercalated		
262.30	265.35	3.05	3.04	99.67	2.50	2.51	264.81	SST. & Sh. Intercalated		
					0.54	0.54	265.35	SST. Mgd.		
265.35	268.45	3.10	3.10	100.00	0.33	0.33	265.68	SST. & Sh. Intercalated		
					0.18	0.18	265.96	C O A L		
					2.20	2.20	268.06	SST. & Sh. Intercalated		Local (L-10)
					0.39	0.39	268.45	SST. Mgd.		
268.45	271.55	3.10	3.05	98.38	0.05	0.05	268.50	SST. Mgd.		
					2.00	2.03	270.53	SST. & Sh. Intercalated		
					1.00	1.02	271.55	SST. Argil.		
271.55	274.65	3.100	2.99	96.45	1.15	1.19	272.74	SST. Argil.		
					1.18	1.22	273.96	SST. & Sh. Intercalated		
					0.66	0.69	274.65	SST. Argil.		
274.65	276.90	2.25	2.25	100.00	1.70	1.70	276.35	SST. Pgd.		
					0.40	0.40	276.75	SST. Cgd.		
					0.15	0.15	276.90	SST. Mgd. with Sh. band		
276.90	277.75	0.85	0.80	94.11	0.80	0.85	277.75	SST. Cgd. to Grt.		
277.75	280.80	3.05	2.80	91.80	2.80	3.05	280.80	SST. Cgd. to Grt.		
280.80	283.80	3.00	2.85	95.00	2.43	2.56	283.36	Grit.		
					0.42	0.44	283.80	SST. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
283.80	286.90	3.10	3.05	98.39	3.05	3.10	286.90	SST. Cgd. to Grt.		Br., Fr.
286.90	288.00	1.10	0.46	41.81	0.18	0.21	287.11	Sh.		
288.00	289.25	1.25	0.64	51.20	0.28	0.89	288.00	SST. & Sh. Intercalated		
289.25	289.85	0.60	0.38	63.33	0.64	1.25	289.25	SST. & Sh. Intercalated		
289.85	291.00	1.15	0.48	41.73	0.08	0.13	289.38	SST. & Sh. Intercalated		
					0.30	0.47	289.85	SST. Cgd.		
					0.20	0.48	290.33	SST. & Sh. Intercalated		
					0.28	0.64	291.00	Sh. Aren.		
291.00	293.10	2.10	2.03	96.66	0.41	0.42	291.42	Sh. with C - streaks		
					0.71	0.73	292.15	SST. Argill.		V. Fr.
					0.26	0.27	292.42	Sh.		
					0.65	0.68	293.10	SST. Argill.		
293.10	294.50	1.40	1.00	71.42	1.00	1.40	294.50	SST. Argill.		V. Fr. Sh.
294.50	295.10	0.60	0.12	20.00	0.12	0.60	295.10	SST. Cgd.		
295.10	296.00	0.90	0.48	53.33	0.48	0.90	296.00	SST. Cgd.		
296.00	296.70	0.70	0.47	67.14	0.47	0.70	296.70	SST. Cgd.		
296.70	299.70	3.00	2.74	91.33	2.74	3.00	299.70	SST. Cgd.		
299.70	302.80	3.10	3.05	98.38	3.05	3.10	302.80	SST. Cgd.		Fr.
302.80	304.70	1.90	1.90	100.00	1.90	1.90	304.70	SST. Cgd.		
304.70	306.00	1.30	1.20	92.30	1.20	1.30	306.00	SST. Cgd.		V. Fr.

1	2	3	4	5	6	7	8	9	10	11
					0.82	0.85	307.62	M.F.		
					0.20	0.21	307.83	Jh.		
					0.10	0.10	307.93	Sh. baked		
					0.08	0.08	308.01	Jh.		
					0.15	0.15	308.16	Sh.		
					0.22	0.23	308.39	SST. Mgcl.		
					0.20	0.21	308.60	SST. & Sh. Intercalated		
					0.14	0.14	308.74	SST. Cgd.		
					0.13	0.19	308.93	SST. & Sh. Intercalated		
					0.16	0.17	309.10	SST. Mgcl.		
309.10	312.10	3.00	3.00	100.00	0.76	0.76	309.86	SST. & Sh. Intercalated		
					0.84	0.84	310.70	SST. Mgcl.		
					0.46	0.46	311.16	SST. & Sh. Intercalated		
					0.20	0.20	311.36	Sh.		
					0.33	0.33	311.69	SST. Mgcl.		
					0.41	0.41	312.10	SST. & Sh. Intercalated		
312.10	315.20	3.10	3.10	100.00	1.42	1.42	313.52	SST. & Sh. Intercalated		
					1.34	1.34	314.86	SST. Cgd.		
					0.34	0.34	315.20	SST. & Sh. Intercalated		
315.20	318.30	3.10	3.03	97.74	0.52	0.53	315.73	SST. & Sh. Intercalated		
					0.47	0.48	316.21	Crit.		
					0.40	0.41	316.62	SST. & Sh. Intercalated		
					0.80	0.82	317.44	Crit.		

XVIII D

Fr.

1	2	3	4	5	6	7	8	9	10	11
318.30	321.35	3.05	3.03	99.34	0.84	0.86	318.30	SST. & Sh. Intercalated		
					0.54	0.54	318.84	SST. Cgd.		
					2.20	2.22	321.06	SST. & Sh. Intercalated		
					0.15	0.15	321.21	C O A L		
					0.14	0.14	321.35	Sh.		
321.35	324.40	3.05	2.84	93.11	2.84	3.05	324.40	Sh.		Br.
324.40	326.90	2.50	2.50	100.00	2.38	2.38	326.78	C O A L	XVIII C	Fr., Br.
					0.12	0.12	326.90	Sh. with Aren.		
326.90	328.40	1.50	1.49	99.33	1.49	1.50	328.40	SST. & Sh. Intercalated		
328.40	330.45	2.05	2.01	98.04	1.77	1.19	329.59	SST. & Sh. Intercalated		
					0.48	0.49	330.08	Sh.		
					0.36	0.37	330.45	C O A L		
330.45	331.95	1.50	1.49	99.33	1.49	1.50	331.95	C O A L	XVIII B	Br., Fr., Sl.
331.95	333.05	1.10	1.05	95.45	0.33	0.35	332.30	C O A L		
					0.56	0.58	332.88	SST. & Sh. Intercalated		
					0.16	0.17	333.05	SST. Mgd.		
333.05	336.15	3.10	3.10	100.00	1.25	1.25	334.30	SST. Mgd.		
					1.56	1.56	335.86	SST. & Sh. Intercalated		
					0.29	0.29	336.15	SST. Cgd.		
336.15	337.25	1.10	1.10	100.00	0.75	0.75	336.90	Sh.		Fr., Sl., Ps.
					0.35	0.35	337.25	Cgd.		

1	2	3	4	5	6	7	8	9	10	11
339.95	340.45	0.50	0.50	100.00	0.50	0.50	340.45	Sc.		Fr., S., Ps.
340.45	342.90	2.45	1.77	72.24	0.86	1.19	341.64	S.		Fr., S., Ps.
					0.28	0.68	339.95	SST. & Sh. Intercalated		V. Fr.
					0.15		339.27			
					1.13		339.12	Sc.		
342.90	345.45	2.55	1.70	66.66	0.18	0.27	343.77	SST. & Sh. Intercalated		Ps., S.
					1.52	2.28	345.45	SST. Cgd.		
345.45	346.30	0.85	0.84	98.82	0.84	0.85	346.30	SST. Cgd.		S., Ps.
346.30	349.15	2.85	2.85	100.00	2.85	2.85	349.15	SST. Cgd.		Fr.
349.15	350.35	1.20	1.20	100.00	1.20	1.20	350.35	SST. Cgd.		
350.35	352.00	1.65	1.56	94.54	0.93	1.02	351.37	SST. Cgd.		
					0.63	0.63	352.00	SST. & Sh. Intercalated		Fr., S., Ps.
352.00	353.00	1.00	0.52	52.00	0.52	1.00	353.00	SST. & Sh. Intercalated		Fr., S., Ps.
353.00	354.25	1.25		Core not recovered						
354.25	355.00	0.75	0.70	93.33	0.70	0.75	355.00	SST. Mgd.		
355.00	358.10	3.10	3.10	100.00	3.10	3.10	358.10	SST. Cgd.		
358.10	361.20	3.10	3.10	100.00	3.10	3.10	361.20	SST. Cgd.		Fr., S., Ps.
361.20	364.30	3.10	3.10	100.00	3.10	3.10	364.30	SST. Cgd.		Fr., S., Ps.
364.30	366.80	2.50	2.42	98.8	2.25	2.32	366.62	SST. Cgd.		
					0.17	0.18	366.80	S.		S., Ps.

XVIII

BORE HOLE NO. NB - 6.

II/1015

1	2	3	4	5	6	7	8	9	10	11
366.80	369.10	2.30	1.93	83.91	0.57	0.68	367.48	C O A L		Sl., Br.
369.10	370.25	1.15	0.80	69.56	0.29	0.42	369.52	SST. & Sh. Intercalated		Sl., Br.
370.25	373.00	2.75	2.20	80.00	0.97	1.21	371.46	SST. & Sh. Intercalated		Br., Sl.
					0.48	0.60	372.06	C O A L		Sl., Br.
					0.33	0.41	372.47	SST. Mgd. with C - bands	XIV	Sl., Br.
373.00	376.00	3.00	2.87	95.66	0.42	0.53	373.00	C O A L		
					1.82	1.90	374.90	C O A L		
376.00	379.00	3.00	2.98	99.33	1.05	1.10	376.00	Sh. with Aren. bands		Tr., Sl.
					0.58	0.58	376.58	SST. & Sh. Intercalated		
379.00	381.20	2.20	2.13	96.81	2.40	2.42	379.00	Gr t.		Fr.
					0.19	0.20	379.20	Gr t.		
					1.77	1.82	381.02	C O A L		
					0.17	0.18	381.20	Sh. with C - bands		
381.20	384.20	3.00	2.65	88.33	0.03	0.03	381.23	C O A L		
					0.51	0.58	381.81	Sh. with C - band		
					0.13	0.15	381.96	C O A L		
					0.56	0.63	382.59	SST. & Sh. Intercalated		
					1.42	1.61	384.20	SST. Ggd.		

1	2	3	4	5	6	7	8	9	10	11
390.15	391.50	1.35	1.31	97.03	1.31	1.35	391.50	SST. Cgd.		
391.50	394.50	3.00	2.96	98.66	2.07	2.10	393.60	SST. Cgd.		
					0.10	0.10	393.70	Sh. with C - streaks		
					0.05	0.05	393.75	C O L L		
					0.07	0.07	393.82	Sh. with C - streaks		
					0.67	0.68	394.50	SST. & Sh. Intercalated		
394.50	397.30	2.80	2.75	98.21	2.75	2.80	397.30	SST. & Sh. Intercalated		
397.30	399.30	2.00	1.96	98.00	1.96	2.00	399.30	SST. & Sh. Intercalated		Fr.
399.30	400.30	1.00	0.97	97.00	0.97	1.00	400.30	SST. & Sh. Intercalated		Fr.
400.30	403.40	3.10	3.10	100.00	2.32	2.32	402.62	SST. & Sh. Intercalated		Fr.
					0.70	0.70	403.32	SST. Mgd.		Fr.
					0.08	0.08	403.40	Sh.		Sh., Ps.
403.40	405.80	2.40	2.29	95.41	2.29	2.40	405.80	SST. & Sh. Intercalated		
405.80	406.65	0.85	0.85	100.00	0.85	0.85	406.65	SST. & Sh. Intercalated		Fr.
406.65	409.20	2.55	2.55	100.00	2.40	2.40	409.05	SST. & Sh. Intercalated		
					0.15	0.15	409.20	SST. Mgd.		
409.20	409.60	0.40	0.24	60.00	0.24	0.40	409.60	SST. & Sh. Intercalated		
409.60	412.60	3.00	2.88	96.00	2.68	3.00	412.60	SST. & Sh. Intercalated		
412.60	415.60	3.00	3.00	100.00	0.54	0.54	413.14	SST. & Sh. Intercalated		
					2.46	2.46	415.60	SST. Mgd. with Sh. laminae		
415.60	417.65	2.05	2.03	99.02	0.25	0.25	415.85	SST. Mgd. with Sh. laminae		
					0.17	0.17	416.02	SST. & Sh. Intercalated		
					0.61	0.62	416.64	Sh.		Fr.
					1.00	1.01	417.65	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
47.65	419.35	1.70	1.70	100.00	0.60	0.60	418.25	SST. Mg ^d .		
419.35	421.70	2.35	1.48	62.97	0.29	0.46	419.35	SST. & Sh. Intercalated		
					0.09	0.14	419.95	SST. & Sh. Intercalated		
					1.10	1.75	421.70	Sh.		
421.70	424.70	3.00	2.05	68.33	0.94	1.33	423.08	C O A L		Br.
					0.16	0.23	423.31	Sh. with C - streaks		
					0.85	1.24	424.55	C O A L		XIII
424.70	426.45	1.75	1.16	66.23	0.10	0.15	424.70	Sh. with C - streaks		
					0.20	0.30	425.00	So.		
					0.71	1.7	426.07	SST. Argil.		
426.45	429.25	2.70	2.70	100.00	0.25	0.38	426.45	SST. & Sh. Intercalated		
					0.12	0.12	426.57	Gr ^{it} .		
					1.22	1.22	427.79	SST. Mg ^d . with Sh. laminae		
429.15	429.85	0.70	0.70	100.00	1.36	1.36	429.15	SST. Cgd.		
429.85	432.85	3.00	3.00	100.00	0.70	0.70	429.85	SST. Cgd.		
432.85	435.70	2.85	2.79	97.89	3.00	3.00	432.85	SST. & Sh. Intercalated		Fr.
					1.08	1.11	433.96	SST. & Sh. Intercalated		
					0.22	0.22	434.18	Sh.		
					0.12	0.12	434.30	M.P.		
					0.57	0.58	434.88	Sh. + M.P.		

1	2	3	4	5	6	7	8	9	10	11
435.70	435.00	3.10	3.10	100.00	3.10	3.10	435.00	SST. & Sh. Intercalated		
435.00	441.60	2.00	2.77	90.92	0.30	0.30	435.13	M.F.		
					0.56	0.57	439.75	Sh. baked with M.F.		
					0.16	0.16	439.91	Sh. band		
					0.20	0.20	440.11	M.F.		
					0.86	0.88	440.99	SST. & Sh. Intercalated		
					0.37	0.37	441.36	SST. Mgcl.		
					0.24	0.24	441.60	Sh.		
441.60	443.80	2.20	2.12	96.36	0.55	0.57	442.17	Sh.		
					1.57	1.63	443.80	SST. & Sh. Intercalated		
443.80	445.30	1.50	1.48	98.66	1.48	1.50	445.30	SST. & Sh. Intercalated		
445.30	447.80	2.50	2.49	99.6	2.14	2.15	447.45	SST. Mgcl.		
					0.35	0.35	447.80	SST. & Sh. Intercalated		
447.80	450.90	3.10	3.07	99.03	1.62	1.64	449.44	SST. & Sh. Intercalated		
					0.11	0.11	449.55	C O A L		
					0.08	0.08	449.63	Sh.		
					0.48	0.49	450.12	SST. & Sh. Intercalated		
					0.47	0.47	450.59	SST. Mgcl.		
					0.31	0.31	450.90	SST. & Sh. Intercalated		
450.90	452.60	1.70	1.67	98.23	0.42	0.43	451.33			
					0.93	0.95	452.28	SST. Mgcl.		
					0.32	0.32	452.60	Sh.		

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1	2	3	4	5	6	7	8	9	10	11
452.60	454.05	1.45	1.23	84.82	0.30	0.35	452.95	Sh.		
					0.93	1.10	454.05	C O A L		Fr., Br.
454.05	456.85	2.80	1.70	60.71	1.70	2.80	456.85	C O A L		Br., Fr.
456.85	458.45	1.60	1.15	71.87	0.43	0.60	457.45	C O A L		Br., Br.
					0.09	0.12	457.57	Jh + M.F.		
					0.63	0.88	458.45	C O A L		
458.45	459.95	1.50	1.17	78.00	0.71	0.91	459.36	C O A L		
					0.13	0.16	459.52	Jh.		
					0.33	0.43	459.95	M.F.		
459.95	463.00	3.05	2.85	93.44	0.35	0.37	460.32	M.F.		
					0.15	0.16	460.48	Jh.		
					0.34	0.36	460.84	C O A L		
					0.19	0.21	461.05	Sc.		
					0.03	0.03	461.08	C O A L		
					1.79	1.92	463.00	SST. Cgd.		Fr.
463.00	466.00	3.00	2.74	91.33	1.69	1.85	464.85	SST. Cgd.		
					1.05	1.15	466.00	Cgd. t.		Fr.
466.00	468.80	2.80	2.80	100.00	2.80	2.80	468.80	Cgd. t.		Fr.
468.80	470.90	2.10	2.10	100.00	2.10	2.10	470.90	Cgd. t.		Fr.
470.90	474.00	3.10	3.05	98.38	3.05	3.10	474.00	SST. Cgd. to Cgd. t.		
474.00	476.85	2.85	2.85	100.00	0.64	0.64	474.64	SST. Cgd. with St. band		

XI/XII

476.85	479.55	2.70	2.57	95.18	2.57	2.70	479.55	SST. Cgd.	Fr.
479.55	481.05	1.50	1.45	96.66	0.80	0.83	480.38	SST. Cgd.	Fr.
481.05	482.85	1.80	1.73	96.11	0.65	0.67	481.05	Gr t.	
					0.85	0.88	481.93	Gr t.	
					0.78	0.81	482.74	SST. Cgd. with quartz pebble	
482.85	483.85	1.00	0.96	96.00	0.10	0.11	482.85	Sh.	
					0.18	0.19	483.04	Sh. with C - streaks	
483.85	484.85	1.00	0.79	79.00	0.78	0.81	483.85	Sh. lven.	
484.85	485.70	0.85	.83	97.64	0.79	1.00	484.85	Sh. lven.	
					0.37	0.38	485.23	Sh. lven.	
485.70	486.70	1.20	1.16	96.66	0.46	0.47	485.70	Sh. with C - streaks	
486.70	487.45	2.55	2.51	98.43	1.16	1.20	486.70	Sh.	
					2.34	2.38	487.28	Sh.	
489.45	492.00	2.55	2.55	100.00	0.17	0.17	489.45	Sh. baked.	
					0.06	0.06	489.51	Sh.	
					0.08	0.08	489.59	M.F.	
					0.08	0.08	489.67	Sh. baked	
					0.10	0.10	489.77	Sh.	
					0.07	0.07	489.84	M.P.	
					0.20	0.20	490.04	Sh. + M.P.	
					0.23	0.23	490.32	Sh.	
					0.13	0.13	490.45	Sh. + M.P.	
					0.35	0.35	490.80	Sh.	

1	2	3	4	5	6	7	8	9	10	11
492.00	492.70	0.90	0.76	84.44	1.20	1.20	492.00	Sst. Cgd. with Sh. laminae		Fr.
492.90	494.30	1.40	0.30	57.14	0.76	0.90	492.70	Sh.		Fr.
494.30	495.70	1.60	1.53	98.75	0.30	1.40	494.30	Sh.		Br., Fr.
					0.88	0.39	495.19	Sh.		Fr., Sl.
					0.47	0.50	495.69	Sh.		Fr., Sl.
495.90	496.10	0.20	0.17	85.00	0.21	0.21	495.90	Csh.		
496.10	497.60	1.50	1.44	96.00	0.17	0.20	496.10	Csh.		
					0.32	0.33	496.43	Csh. with C - streaks		Fr., Sl.
					0.93	0.57	497.40	Csh.		
					0.19	0.20	497.60	Sc.		
497.60	497.10	1.50	1.49	99.33	0.62	0.63	498.23	Csh. baked		Fr.
					0.24	0.24	498.47	Sh. baked.		
					0.07	0.09	498.56	M.F.		
					0.40	0.40	498.96	Csh. baked		
					0.14	0.14	499.10	C O L		
499.10	501.20	2.10	2.02	96.19	0.24	0.25	499.35	C O L		
					0.43	0.50	499.85	Jh.		
					0.16	0.17	500.02	Jh. + M.F.		
					0.24	0.25	500.27	Jh.		
					0.10	0.10	500.37	Sc.		

VIII/IX/X

1	2	3	4	5	6	7	8	9	10	11
501.20	502.70	1.70	1.56	92.00	1.56	1.70	502.90	G O A L		
502.90	504.70	1.80	1.52	84.44	1.52	1.80	504.70	G O A L		
504.70	505.50	0.80	0.61	76.25	0.38	0.50	505.20	G O A L		
					0.23	0.30	505.50	Csh.		VIIIC/IX/X
505.50	506.20	0.70	0.70	100.00	0.46	0.46	505.96	G O A L		
					0.14	0.14	506.10	G O A L (Sideritic)		
					0.10	0.10	506.20	SST. Fgd.		
506.20	507.30	1.10	0.91	82.72	0.91	1.10	507.30	SST. & Sh. Intercalated		
507.30	507.60	0.30	0.23	76.66	0.23	0.30	507.60	SST. & Sh. Intercalated		
507.60	509.60	2.00	1.71	85.5	1.71	2.00	509.60	SST. & Sh. Intercalated		
509.60	510.60	1.00	0.82	82.00	0.82	1.00	510.60	SST. & Sh. Intercalated		
510.60	512.40	1.80	1.63	90.55	0.42	0.46	511.06	SST. Argil.		
					1.21	1.34	512.40	Sh. with M.P. veins.		
512.40	513.60	1.20	1.20	100.00	0.85	0.85	513.25	Sh.		
					0.05	0.05	513.30	G O A L		VIII B
					0.06	0.06	513.36	Csh.		
					0.12	0.12	513.40	Sc.		
					0.12	0.12	513.60	Sh. with C - band		
513.60	516.60	3.00	2.84	94.66	1.02	1.07	514.67	Sh. Aren.		
					1.82	1.93	516.60	SST. Cgd.		
516.60	519.60	3.00	2.95	98.33	2.95	3.00	519.60	SST. Cgd.		
519.60	522.60	3.00	2.94	98.00	2.94	3.00	522.60	Grit.		

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II/1023

1	2	3	4	5	6	7	8	9	10	11
522.60	525.70	3.10	3.07	99.03	2.95	2.03	525.53	Crit.		
525.70	528.75	3.05	3.00	99.36	0.12	0.12	525.70	SST. Mgd.		
528.75	531.75	3.00	2.93	96.00	3.00	3.05	528.75	SST. Ggd.		
531.75	534.15	2.40	2.37	98.75	2.37	2.40	531.75	SST. Ggd.		
534.15	536.10	2.75	2.75	100.00	2.75	2.75	534.15	SST. Ggd. to Crit.		
536.10	537.70	0.80	0.80	100.00	0.80	0.80	536.10	SST. Ggd.		
537.70	539.25	1.55	1.53	98.70	1.53	1.55	537.70	SST. Ggd.		
539.25	541.90	2.65	2.59	97.73	0.48	0.49	539.25	SST. Ggd.		
					1.66	1.70	539.74	Crit		
					0.39	0.39	541.44	St.		
					0.07	0.07	541.83	C O A L		
541.90	543.80	1.90	1.86	97.89	0.46	0.47	541.90	C O A L		
					1.40	1.43	542.37	Cst.		
543.80	546.80	3.00	2.90	96.66	2.90	3.00	543.80	C O A L		
546.80	547.30	0.50	0.48	96.00	0.33	0.35	546.80	C O A L		
					0.15	0.15	547.15	C O A L		
547.30	549.85	2.55	2.55	100.00	0.40	0.40	547.30	St.		
					2.15	2.15	547.70	SST. Appl.		
549.85	551.55	1.70	1.68	98.82	0.42	0.42	549.85	SST. Mgd. to SST. Ggd.		
							550.27	SST. Mgd. to SST. Ggd.		

VIII A

1	2	3	4	5	6	7	8	9	10	11
551.55	552.95	1.40	1.40	100.00	C. 51	0.51	552.06	SST. Rpd.		
					0.68	0.68	552.74	SST. Med.		
552.95	553.30	0.35	0.33	94.28	0.21	0.21	552.95	SST. & Sh. Intercalated		
553.30	554.30	1.00	0.8	81.00	0.33	0.35	553.30	SST. & Sh. Intercalated		
554.30	554.90	0.60	0.60	100.00	0.81	1.00	554.30	SST. & Sh. Intercalated		
					0.46	0.46	554.76	SST. Argil.		
554.90	555.10	0.20	0.15	75.00	0.14	0.14	554.90	Sh.		
555.10	556.90	1.80	1.80	100.00	0.15	0.20	555.10	SST. Argil.		
					1.55	1.55	556.65	SST. Med.		
556.90	557.90	1.00	1.00	100.00	0.25	0.25	556.90	SST. Cgd.		
557.90	560.10	2.20	2.13	96.81	1.00	1.00	557.90	SST. Cgd.		
560.10	561.15	1.05	1.03	98.09	2.13	2.20	560.10	SST. Cgd.		
561.15	564.05	2.90	2.78	95.86	1.03	1.05	561.15	SST. Cgd.		
					1.73	1.80	562.95	SST. Cgd.		
					0.30	0.31	563.26	Sh. Aren.		
564.05	564.50	0.45	0.45	100.00	0.75	0.79	564.05	SST. Cgd.		
564.50	567.35	2.85	2.83	99.29	0.45	0.45	564.50	SST. Cgd.		
					0.34	0.34	564.84	SST. Cgd.		
					0.63	0.63	565.47	Grit.		
					0.13	0.13	565.60	Sh.		
567.35	569.35	2.00	2.00	100.00	1.73	1.75	567.35	SST. Cgd. Grit.		
					2.00	2.00	569.35	Grit.		

1	2	3	4	5	6	7	8	9	10	11
569.35	570.40	1.05	1.04	99.04	1.04	1.05	570.40	Gr t.		
570.40	572.30	1.90	1.36	71.57	1.36	1.90	572.30	Gr t.		
572.30	572.90	0.60	0.60	100.00	0.06	0.06	572.36	Gr t.		
572.90	573.80	0.90	0.90	100.00	0.54	0.54	572.90	C O A L		
573.80	576.20	2.40	1.87	77.91	0.90	0.90	573.80	C O A L		
					0.22	0.28	575.23	Sh. with C - band		
576.20	577.20	1.00	0.81	81.1	0.75	0.97	576.20	SSL & Sh. Intercalated		
577.20	579.80	2.60	2.60	100.00	2.60	2.60	579.80	SSL & Sh. Intercalated		
579.80	582.00	2.20	2.20	100.00	1.15	1.15	580.95	SSL. Mg d.		
					0.30	0.30	581.25	Sh.		
582.00	583.00	1.00	0.87	87.00	0.75	0.75	582.00	SSL. Mg d.		
					0.65	0.75	582.75	SSL. Cgd.		
					0.12	0.14	582.89	C O A L		
583.00	584.20	1.20	1.20	100.00	0.10	0.11	583.00	SSL. Cgd.		
					1.03	1.03	584.08	SSL. Cgd.		
					0.12	0.12	584.20	SSL & Sh. Intercalated		
584.20	586.00	1.80	1.68	93.33	0.28	0.30	584.50	SSL & Sh. Intercalated		
					1.40	1.50	586.00	SSL. Cgd.		
586.00	588.50	2.50	2.39	95.6	0.05	0.05	586.05	C O A L		

1	2	3	4	5	6	7	8	9	D	11
588.50	589.10	0.60	0.57	95.00	0.22	0.23	588.73	SST. Mg'd.		
589.10	591.60	2.50	2.50	100.00	0.35	0.37	589.10	SST. Mg'd.		
591.60	594.70	3.10	3.05	98.38	3.05	3.10	591.60	SST. Mg'd.		
594.70	596.30	1.60	1.36	85.00	0.29	0.34	594.70	SST. Mg'd.		
596.30	598.65	2.35	2.00	85.10	0.69	0.81	595.04	SST. Mg'd.		
					0.38	0.45	595.85	SST. Mg'd.		
					0.14	0.16	596.30	SST. Mg'd.		
					0.45	0.53	596.46	SST. Mg'd.		
					0.21	0.25	596.99	SST. Mg'd.		
					1.20	1.41	597.24	SST. Mg'd.		
598.65	601.70	3.05	2.40	78.68	0.39	0.11	598.65	SST. Mg'd.		
					0.56	0.71	598.76	SST. Mg'd.		
					0.16	0.20	599.47	SST. Mg'd.		
					0.48	0.61	599.67	SST. Mg'd.		
					0.28	0.36	600.23	SST. Mg'd.		
					0.18	0.23	600.64	SST. Mg'd.		
					0.08	0.10	601.37	SST. Mg'd.		
					0.09	0.11	601.97	SST. Mg'd.		
					0.38	0.48	601.08	SST. Mg'd.		
					0.10	0.14	601.56	SST. Mg'd.		
							601.70	SST. Mg'd.		

BORE HOLE NO. 1B - 6.

II/1027

1	2	3	4	5	6	7	8	9	10	11
601.70	602.70	1.00	0.77	77.00	0.77	1.00	602.70	C O A L		Br., Small pieces
602.70	603.20	0.50	0.76	32.00	0.76	0.50	603.20	C O A L		
603.20	604.20	1.00	0.93	93.00	0.20	0.21	603.41	C O A L		
					0.22	0.22	603.63	Sh.		
					0.47	0.43	604.11	C O A L		
					0.09	0.09	604.20	Gsh.		
					0.29	0.31	604.51	C O A L		
604.20	605.20	1.00	0.95	95.00	0.07	0.07	604.53	Sc.		Fr., Br.
					0.59	0.62	605.20	C O A L		Br., Ps.
					0.19	0.50	605.70	C O A L		Br., S., Ps.
605.20	605.70	0.50	0.79	38.00	0.75	1.70	606.30	C O A L		Br., S., Ps.
605.70	606.80	1.70	0.75	63.13	0.69	1.00	607.30	C O A L		Br. Small piece
606.80	607.30	1.00	0.69	69.00	0.30	0.50	608.30	C O A L		Br. -do-
607.30	608.30	0.50	0.30	60.00	0.25	0.30	608.60	Gsh.		S., Ps., Fr.
608.30	609.30	1.00	0.62	62.00	0.57	0.70	609.30	C O A L		
					0.63	1.00	610.30	C O A L		S., Br., Ps.
609.30	610.30	1.00	0.63	63.00	2.54	2.66	612.96	C O A L		
610.30	613.40	3.70	2.96	95.43	0.42	0.44	613.40	Gsh.		
					0.24	1.25	614.65	Se.		Br.
613.40	614.65	1.25	0.24	19.20	1.53	1.53	616.13	C O A L		Br. Small piece
614.65	617.15	2.50	2.50	100.00	0.37	0.37	617.05	Sh. with C - bands		

(Part
Faulted)
V/VII/VIII

1	2	3	4	5	6	7	8	9	10	11
677.15	677.00	0.65	0.64	98.46	0.0	0.0	677.15	SST. & Sh. Intercalated		
					0.64	0.65	677.00	SST. Mgd.		

BORE HOLE CLOSED AT 677.80 M. ON 9.3.1979

(Contd.)

II/1029

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. MB - 6.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
Local (L-11)	254.08	255.63	0.75	
Local (L-10)	265.68	265.86	0.18	
XVIIID	306.72	307.96	1.24	
XVIIIC	324.40	326.67	2.27	
XVIIIB	330.08	332.30	2.22	
XVIII A	339.95	340.46	0.51	
XIV	372.47	374.90	2.43	
XIII	419.95	424.51	4.56	
XI/XII	452.95	461.08	8.13	G+Jh.+M.P.
VIIIC/IX/X	490.96	506.10	7.14	C. Jh. +M.P.
VIII B	511.06	513.48	2.36	G+Jh.+M.P.
VIIIA	542.37	547.15	4.78	
VIII	572.36	574.95	2.59	
V/VI/VII	595.04	616.18	21.14	Part Faulted

Core : 19507.6545
 R.L. of Collar : 191.441 m.
 Core : 22943.0679
 Depth drilled : 556.15 m.
 Commenced on : 30.10.1978.
 Completed on : 29.12.1978
 All dimensions in metres.

R U N To	Thickness		RECOVERY		THICKNESS		Depth of Floor	L I T H O L O G Y		Seam Corre- lation	Structural Features.
			Reco- vered.	Per- cent.	Reco- vered.	Extra- related					
2		3		5	6	7	8	9		10	11
3.00	3.00		-	-	-	-	3.00	Soil	Weathered Zone.		
9.00	6.00		-	-	-	-	9.00	Soil.			
13.00	4.00	2.72	68.00	1.82	2.63		11.68	Sst. & Sh.	Intercalated.		
				0.90	1.32		13.00	Sst. Mgd.			
16.10	3.10	3.10	100.00	3.10	3.10		16.10	Sst. Mgd.			
16.70	0.60	0.56	93.33	0.56	0.60		16.70	Sst. Mgd.			
19.70	3.00	2.36	78.66	1.31	1.67		18.37	Sst. & Sh.	Intercalated.		
				0.08	0.10		18.47	C O A L.			
				0.42	0.53		19.00	Sh. with C - bands.			
				0.12	0.15		19.15	C O A L.			
				0.16	0.20		19.35	Sh.			
				0.27	0.35		19.70	Sh., aren.			
22.70	3.00	2.95	98.33	1.02	1.04		20.74	Sst. & Sh.	Intercalated.		
				1.93	1.96		22.70	Sst. Cgd.			

Fr.

BORE HOLE NO. MB - 7.

1	2	3	4	5	6	7	8	9	10	11
22.70	25.75	3.05	3.02	99.01	3.02	3.05	25.75	SST. Cgd.		Fr.
25.75	28.75	3.00	2.93	97.66	1.46	1.49	27.24	SST. Cgd.		Fr., Vfr.
					0.24	0.25	27.49	SST. & Sh. Intercalated		
					0.37	0.38	27.87	SST. Mgd. with C - laminae		
					0.37	0.38	28.25	Sh.		
					0.49	0.50	28.75	SST. & Sh. Intercalated		
28.75	31.85	3.10	3.07	99.03	0.86	0.87	29.62	SST. Mgd. with Sh. laminae		
					0.76	0.77	30.39	Sh.		
					0.30	0.30	30.59	SST. Mgd.		
					0.08	0.08	30.67	Sh.		
					0.24	0.24	30.91			
					0.33	0.33	31.24	SST. & Sh. Intercalated		
					0.60	0.61	31.85	SST. Mgd.		
31.85	34.85	3.00	2.89	96.33	0.45	0.47	32.32	SST. & Sh. Intercalated		
					1.00	1.04	33.36	SST. Argil.		
					1.44	1.49	34.85	SST. Mgd. to SST. Cgd.		
34.85	37.95	3.10	3.10	100.00	3.10	3.10	37.95	SST. Mgd. to SST. Cgd.		
37.95	40.95	3.00	2.96	99.33	0.30	0.30	38.25	SST. Mgd.		
					1.74	1.75	40.00	SST. & Sh. Intercalated		
					0.94	0.95	40.95	SST. Mgd.		
40.95	44.00	3.05	2.98	97.70	0.86	0.88	41.83	SST. Mgd.		Fr.

1	2	3	4	5	6	7	8	9	10	11
44.00	47.00	3.00	2.91	97.00	0.34 0.09	0.35 0.09	44.35 44.44	SST. & Sh. Intercalated Sh.		
					0.15 1.05	0.15 1.08	44.59 45.67	C O A L SST. & Sh. Intercalated		
					0.18 1.10	0.19 1.14	45.86 47.00	SST. Mgd. Sh.		
47.00	47.90	0.90	0.90	100.00	0.65 0.02	0.65 0.08	47.65 47.73	SST. & Sh. Intercalated Sh.		
					0.10 0.07	0.10 0.07	47.83 47.90	C O A L Csh.		
47.90	50.25	2.35	2.35	100.00	0.45 0.49	0.45 0.49	48.35 48.84	SST. & Sh. Intercalated SST. Mgd.		Pr. Sl.
					1.41 0.27	1.41 0.28	50.25 50.53	SST. & Sh. Intercalated SST. Mgd.		
50.25	53.30	3.05	2.92	95.73	0.38 0.11	0.40 0.11	50.93 51.04	Sh. with Aren. bands Sc.		
					0.13 0.06	0.14 0.06	51.18 51.24	C O A L Sh. with C - bands		
					0.14 0.70	0.15 0.73	51.39 52.12	Sc. Sh.		
					0.63 0.50	0.66 0.52	52.78 53.30	SST. & Sh. Intercalated SST. Cgd.		

FORM HOLE NO. MB - 7.

1	2	3	4	5	6	7	8	9	10	11
53.30	56.40	3.10	3.03	97.74	3.03	3.10	56.40	SST. & Sh. Intercalated		SL., Ps.
56.40	59.40	3.00	3.00	100.00	3.00	3.00	59.40	SST. & Sh. Intercalated		Pr., SL.
59.40	62.40	3.00	2.88	96.00	2.03	2.11	61.51	SST. & Sh. Intercalated		
					0.59	0.62	62.13	SST. Negd.		
					0.26	0.27	62.40	SST. & Sh. Intercalated		
62.40	65.45	3.05	3.05	100.00	0.44	0.44	62.84	Sh.		
					0.90	0.90	63.74	SST. & Sh. Intercalated		
					0.34	0.34	64.08	Sh.		
					0.05	0.05	64.13	C O A L		
					0.13	0.13	64.26	Sh.		SL., Ps.
					1.12	1.12	65.38	SST. & Sh. Intercalated		
					0.07	0.07	65.45	Sh.		
65.45	68.55	3.10	3.10	100.00	0.35	0.35	65.80	Sh. with C - bands		
					0.66	0.66	66.46	SST. Negd.		
					0.29	0.29				
					0.64	0.64	67.39	SST. Negd.		Pr.
					0.40	0.40	67.79	SST. & Sh. Intercalated		
					0.20	0.20	67.99	Sh.		
					0.56	0.56	68.55	SST. & Sh. Intercalated		
68.55	71.65	3.10	3.07	99.03	2.38	2.40	70.95	SST. & Sh. Intercalated		SL., Pr.
					0.69	0.70	71.65	Sh.		Pr.

1	2	3	4	5	6	7	8	9	10	11
74.70	77.75	3.05	2.98	97.70	1.73	1.76	74.70	SST. & S. Intercalated		
77.75	80.40	2.65	2.59	97.73	1.43	1.46	76.76	SST. & S. Intercalated		
					1.55	1.59	77.75	SST. Med. with S. bands		
					0.54	0.55	78.20	SST. Med. with S. bands		
					0.06	0.06	78.36	S.		
					0.20	0.20	78.56	G O A L		
					0.39	0.40	78.96	SST. & S. Intercalated		
					1.40	1.44	80.40	SST. Cgd.		
80.40	83.45	3.05	3.00	98.36	3.00	3.05	83.45	SST. & S. Intercalated		
83.45	86.55	3.10	3.10	100.00	1.75	1.75	85.20	SST. & S. Intercalated		
					0.09	0.09	85.29	G O A L		
					0.28	0.28	85.57	S.		
					0.40	0.40	85.97	SST. & S. Intercalated		
					0.24	0.24	86.21	SST. Med.		
					0.34	0.34	86.55	SST. & S. Intercalated		
86.55	89.60	3.05	3.01	89.60	3.01	3.05	89.60	SST. & S. Intercalated		
89.60	92.75	3.15	3.03	96.19	0.42	0.44	90.04	SST. & S. Intercalated		
					0.18	0.19	90.23	SST. Angl.		
					0.20	0.21	90.44	SST. & S. Intercalated		
					2.23	2.31	92.75	SST. Cgd.		
92.75	95.85	3.10	3.07	99.03	1.84	1.86	94.61	SST. Cgd.		
					0.25	0.25	94.86	SST. & S. Intercalated		

Br. at the bottom

Local S.
(L-11)

Local
(L-10)

Fr.

1	2	3	4	5	6	7	8	9	10	11
95.85	98.50	2.65	2.64	99.62	0.98	0.99	95.85	SST. Mgd.		Pr.
					2.64	2.65	98.50	Grit.		Pr.
98.50	101.20	2.70	1.61	59.62	0.07	0.12	98.62	St.		Br.
					0.13	0.22	98.84	SST. Mgd.		
					0.24	0.40	99.24	St. Aren.		Fr., Sl.
					1.17	1.96	101.20	SST. Mgd. with St. Laminæ		Fr., Sl.
101.20	102.45	1.25	1.23	98.40	0.71	0.72	101.92	SST. Mgd.		
					0.52	0.53	102.45	St. Aren.		Sl.
102.45	105.50	3.05	2.04	99.67	1.14	1.14	103.59	St. Aren.		
					0.35	0.35	103.94	SST. & St. Interbanding		
					1.55	1.56	105.50	SST. Mgd. to SST. Ggd.		
105.50	108.60	3.10	3.10	100.00	3.10	3.10	108.60	SST. Ggd.		
108.60	111.70	3.10	3.10	100.00	0.64	0.64	109.24	SST. Ggd.		
					0.61	0.61	109.85	St. C - Laminæ		
					0.74	0.74	110.59	C O A L		
					0.09	0.09	110.68	Sh. with C - bands		
					0.36	0.36	111.04	SST. Mgd.		
					0.66	0.66	111.70	SST. & Sh. Intercalated		
111.70	114.80	3.10	3.10	100.00	0.34	0.34	112.04	SST. Mgd.		
					2.76	2.76	114.80	SST. & Sh. Intercalated		
114.80	117.90	3.10	3.05	98.38	0.40	0.41	115.21	SST. Mgd.		
					0.80	0.81	116.02	SST. & Sh. Intercalated		

XVIIID Br.

1	2	3	4	5	6	7	8	9	10	11
117.90	120.90	3.00	3.00	100.00	0.42 0.15	0.43 0.15	117.75 117.90	SST. Mgd. SST. & Sh. Intercalated		Fr.
120.90	123.90	3.00	2.97	99.00	1.40 0.35 0.97	1.40 0.35 0.98	120.90 121.25 122.23	Sh. Sh. Csh.		Fr. Sl., Ps.
123.90	126.90	3.00	2.99	99.66	0.10 1.45 0.23	0.10 1.47 0.23	122.33 123.90 124.13	C O A L Csh. C O A L		Br.
					0.79	0.79	124.92	SST. & Sh. Intercalated with C - streaks		
					1.45 0.34 0.18	1.46 0.34 0.18	126.38 126.72 126.90	SST. Mgd. with Sh. Larinae Sh. C O A L		
126.90	129.95	3.05	3.05	100.00	1.64 1.41	1.64 1.41	128.54 128.54	C O A L SST. Mgd.	XVIII B S.	
129.95	133.00	3.05	2.94	96.39	0.41 1.00	0.43 1.04	130.36 131.42	SST. Mgd. SST. & Sh. Intercalated		
					0.40 1.13	0.41 1.17	131.83 133.00	SST. Mgd. Sh.		Fr., Sl., Ps.
133.00	136.10	3.10	3.10	100.00	3.10	3.10	136.10	SST. Argil.		

1	2	3	4	5	6	7	8	9	10	11
136.10	139.20	3.10	3.10	100.00	3.10	3.10	139.20	SST. & Sh. Intercalated	XVIII A	
139.20	142.25	3.05	3.05	100.00	1.71	1.71	140.91	C O A.L		Br.
					0.59	0.59	141.50	Sh. with C - band		
					0.75	0.75	142.25	SST. & Sh. Intercalated		
142.25	145.25	3.00	2.96	98.66	0.62	0.63	142.88	SST. & Sh. Intercalated		
					1.57	1.59	144.47	SST. Mgcl. with Sh. bands		
					0.77	0.78	145.25	SST. Cgd.		
145.25	148.35	3.10	3.07	99.03	0.24	0.24	145.49	SST. & Sh. Intercalated		
					2.83	2.86	148.35	SST. Cgd.		
148.35	151.25	2.90	2.86	98.62	0.66	0.67	149.02	SST. Cgd.		
					0.19	0.19	149.21	C O A.L		
					0.52	0.53	149.74	Sh.		
					0.12	0.12	149.86	Csh.		
					1.37	1.39	151.25	C O A.L		
151.25	154.25	3.00	2.83	94.33	0.09	0.11	151.36	Sh.	XVIII	
					0.29	0.32	151.63	C O A.L		Br.
					0.32	0.35	152.03	SST. & Sh. Intercalated		
					0.73	0.76	152.79	SST. Mgcl.		
					1.40	1.46	154.25	SST. & Sh. Intercalated		
154.25	157.25	3.00	2.82	94.00	1.33	1.41	155.66	SST. & Sh. Intercalated		
					0.08	0.09	155.75	C O A.L		
					0.31	0.33	156.00	SST. & Sh. Intercalated with C - bands		

1	2	3	4	5	6	7	8	9	10	11
157.25	160.35	3.10	3.10	100.00	1.10	1.17	157.25	SST. Mgd. with St. bands		St.
					0.23	0.23	157.43	SST. & St. Intercalated		
					0.11	0.11	157.59	St. with C - bands		
					0.43	0.43	158.07	C O A L		
					0.06	0.06	158.13	Sc.		
					0.23	0.33	158.46	C O A L		
					0.13	0.13	158.59	Sc.		
					0.26	0.26	158.85	C O A L		
					0.06	0.06	158.91	St.		
					0.12	0.12	159.03	Sc.		
					0.41	0.41	159.44	C O A L		
					0.11	0.11	159.55	C O A L with St. bands		
					0.11	0.11	159.66	SST. & St. Intercalated		
					0.69	0.69	160.35	SST. Mgd.		
160.35	163.40	3.05	2.99	96.03	0.61	0.62	160.97	SST. Mgd.		
					0.96	0.93	161.95	SST. & St. Intercalated		
					0.40	0.41	162.36	C O A L		
					0.09	0.09	162.45	St. with C - streaks		
					0.93	0.95	163.40	SST. & St. Intercalated		
163.40	166.45	3.05	2.94	96.39	0.49	0.51	163.91	St. with Arm. bands		
					1.28	1.34	165.25	SST. Mgd.		
					0.03	0.91	166.76	SST. & St. Intercalated		
					0.23	0.29	166.45	St.		

Local(L-10A)

Br.

1	2	3	4	5	6	7	8	9	10	11
166.45	169.45	3.00	2.50	96.66	0.77	0.50	167.25	SST. & St. Intercalated		
					0.09	0.09	167.34	C O A L		Br.
					1.43	1.53	168.57	SST. & St. Intercalated		
					0.56	0.56	169.45	SST. Mgd. with St. bands		
169.45	172.55	3.10	3.10	100.00	0.73	0.73	170.13	SST. & St. Intercalated		
					0.23	0.23	170.41	Coal.		
					0.45	0.45	170.86	C O A L		Local Br.
					0.24	0.24	171.10	St.		
					1.45	1.45	172.55	SST. & St. Intercalated		
172.55	175.70	3.15	3.13	99.36	0.72	0.73	173.23	St. with C - streaks		
					0.03	0.03	173.31	C O A L		
					0.46	0.46	173.77	SST. & St. Intercalated		
					0.31	0.31	174.05	Sc.		
					0.41	0.41	174.49	SST. & St. Intercalated		
					0.43	0.43	174.92	C O A L		Local (L-8)
					0.77	0.76	175.70	SST. & St. Intercalated.		
175.70	176.00	3.10	3.00	96.77	0.13	0.13	175.83	SST. & St. Intercalated		
					0.61	0.63	176.46	SST. Mgd.		
					1.16	1.23	177.69	SST. & St. Intercalated		
					0.12	0.12	177.81	C O A L		
					0.21	0.22	178.03	SST. & St. Intercalated		
					0.05	0.05	178.03	C O A L		

1	2	3	4	5	6	7	8	9	10	11
178.80	181.80	3.00	3.00	100.00	0.05	0.05	178.08	C O A L		
					0.57	0.57	178.67	Sh.		
					0.13	0.13	178.80	Sh. Lven.		
					0.10	0.10	178.20	Sh. Lven.		
					0.13	0.13	179.03	C O A L		
					1.53	1.53	180.56	SST. & Sh. Intercalated		
					0.09	0.09	180.65	C O A L		
					1.15	1.15	181.80	SST. Med. with Sh. bands		
181.80	184.90	3.10	3.10	100.00	2.75	2.75	184.55	SST. Med. with Sh. bands		
					0.35	0.35	184.90	SST. Cgd.		
184.90	187.95	3.05	3.01	98.68	3.01	3.05	187.95	SST. Cgd. with Sh. laminae		
187.95	190.95	3.00	2.66	88.66	0.34	0.38	188.33	SST. Cgd. with Sh. laminae		
					0.14	0.16	188.49	C O A L		
					0.09	0.10	188.57	Sc.		
					0.12	0.14	188.73	C O A L		
					0.72	0.81	189.54	Sc.		
					0.57	0.64	190.18	SST. & Sh. Intercalated		
					0.43	0.48	190.66	Sh.		
					0.06	0.07	190.73	C O A L		
					0.15	0.22	190.95	Sh.		
190.95	194.00	3.05	3.01	98.68	3.01	3.05	194.00	SST. & Sh. Intercalated		
194.00	197.05	3.05	3.00	98.36	3.00	3.05	197.05	SST. & Sh. Intercalated		

cal
(L. & Ps., Br.
Ps., Br.
Br., Ps.

1	2	3	4	5	6	7	8	9	10	11
197.05	200.10	3.05	3.02	99.01	1.05	1.06	198.11	SST. & Sh. Intercalated		
200.10	203.10	3.00	2.95	98.33	1.97	1.99	200.10	SST. Mgd.		
203.10	206.20	3.10	3.10	100.00	2.20	2.20	203.10	SST. Mgd.		
							205.20	SST. Cgd.		
206.20	207.20	3.00	2.28	76.00	0.30	0.30	206.20	Sh.		Fr., Sl., Br.
					0.31	0.39	206.59	SST. & Sh. Intercalated		
					0.32	0.41	207.00	Sh.		
					0.78	0.42	207.42	Sh. Aren.		
					0.39	1.03	208.45	SST. & Sh. Intercalated		
					0.18	0.51	208.96	SST. Mgd.		
209.20	202.20	3.00	2.96	98.66	0.16	0.24	209.20	SST. & Sh. Intercalated		Br.
					1.63	0.16	209.36	Sh. Aren.		Fr.
					1.17	1.65	211.01	SST. Cgd.		
212.20	215.20	3.10	3.09	99.67	1.22	1.19	212.20	SST. & Sh. Intercalated		
					0.40	1.23	213.43	SST. & Sh. Intercalated		
					1.00	0.40	213.83	Sh.		Fr.
					0.20	1.00	214.83	SST. & Sh. Intercalated		
					0.27	0.20	215.03	Sh.		
215.20	218.35	3.05	2.59	84.91	0.04	0.27	215.20	C O A L		Br.
					0.64	0.04	215.24	C O A L		
						0.77	216.11	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
218.35	221.45	3.10	3.10	100.00	2.37	2.37	220.72	SST. & Sh. Intercolated	XVIIA	Br., Sl., at top
221.45	222.00	0.55	0.55	100.00	0.73	0.73	221.45	SST. Mgd.		
222.00	224.00	2.00	1.77	88.5	0.55	0.55	222.00	SST. Mgd.		
					0.57	0.64	222.64	SST. Mgd.		Br.
					0.75	0.85	223.49	Sh.		
					0.45	0.51	224.00	SST. Mgd.		
224.00	227.05	3.05	3.05	100.00	3.05	3.05	227.05	SST. Mgd.		Fr.
227.05	230.05	3.00	2.91	97.00	0.84	0.87	227.92	SST. Mgd. with Sh. Laminar		
					2.07	2.13	230.05	SST. & Sh. Intercolated		Sl., Br., F. Fr.
230.05	231.05	1.00	0.77	97.00	0.77	1.00	231.05	SST. Mgd. with Sh. Laminar		Br.
231.05	234.05	3.00	3.00	100.00	0.42	0.42	231.47	SST. Mgd.		V. Fr.
					0.66	0.66	232.13	SST. & Sh. Intercolated		
					0.28	0.28	232.41	SST. Cgd. with quartz pebbles		
					1.07	1.07	233.48	SST. & Sh. Intercolated		
					0.57	0.57	234.05	SST. Mgd. with Sh. bands		
234.05	237.05	3.00	3.00	100.00	1.82	1.82	235.87	SST. & Sh. Intercolated		
					0.01	0.01	235.88	Sh.		Ps.
					1.02	1.02	236.90	C O A L	XVII	Br.
					0.15	0.15	237.05	SST. Mgd.		
237.05	240.05	3.00	2.84	94.66	0.33	0.35	237.40	SST. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
240.05	243.10	3.05	3.04	99.67	3.04	3.05	243.10	SST. Med.		
243.10	245.10	2.00	1.95	97.5	1.17	1.20	244.30	SST. Cgd.		
					0.07	0.07	244.37	Sh.		
					0.51	0.52	244.89	C O A L		
					0.20	0.21	245.10	Sh.		
245.10	246.70	1.60	1.57	98.12	1.57	1.60	246.70	SST. Med.		
246.70	248.70	2.00	1.95	97.5	1.67	1.71	248.41	SST. & Sh. Intercalated		
					0.28	0.29	248.70	Interbedding		
248.70	250.50	1.80	1.80	100.00	1.80	1.80	250.50	SST. & Sh. Intercalated		Br.
250.50	251.70	1.20	0.77	64.16	0.77	1.20	251.70	SST. & Sh. Intercalated		Br., Fr.
251.70	252.25	0.55	0.49	89.09	0.22	0.25	251.95	C O A L		Br.
					0.27	0.30	252.25	Sh. Aren.		Fr.
252.25	254.75	2.50	2.44	97.6	0.15	0.15	252.40	Sh. Aren.		
					2.29	2.35	254.75	SST. Med. to SST. Cgd.		
254.75	257.80	3.05	3.00	98.36	3.00	3.05	257.80	SST. Med. to SST. Cgd.		
257.80	260.80	3.00	2.54	84.66	0.28	0.33	258.13	SST. Med. to SST. Cgd.		

XVII

1	2	3	4	5	6	7	8	9	10	11
260.80	263.90	3.10	3.10	100.00	1.75	2.07	260.33	SST. Cgd.		Fr.
					0.40	0.47	260.00	Sh. Artn.		Br.
					0.97	0.97	261.77	SST. & Sh. Intercalated		
					0.32	0.32	262.09	SST. Mgd.		
					0.17	0.17	262.26	SST. Mgd. wd th Sh. Laminæ		
					1.64	1.64	263.90	SST. Cgd.		
263.90	267.00	3.10	2.92	94.19	0.58	0.62	264.52	SST. Cgd.		
					0.18	0.19	264.71	Sh.		
					0.38	0.40	265.11	C O A L		Br.
					0.11	0.12	265.23	Jn.		
					0.02	0.02	265.25	N.F.		
					0.20	0.21	265.46	Jn.		
					0.31	0.32	265.78	C O A L		Local (L-1A)
					0.07	0.07	265.85	Sh.		
					0.06	0.06	265.91	C O A L		
					1.01	1.09	267.00	Sh.		
267.00	270.00	3.00	2.83	94.33	2.22	2.35	269.35	SST. & Sh. Intercalated		
					0.42	0.45	269.80	SST. Mgd.		
					0.19	0.20	270.00	SST. Mgd.		
270.00	273.05	3.05	2.49	81.63	1.09	1.34	271.34	SST. Mgd.		
					0.59	0.72	272.06	SST. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
273.05	276.05	3.00	2.85	95.00	0.19	0.23	272.29	SST. & Sh. Intercalated		
					0.62	0.76	273.05	SST. Med.		
					0.10	0.11	273.16	C O A L		
					0.16	0.17	273.33	Sh. with C - streak		
					0.07	0.07	273.40	C O A L		
					0.61	0.64	274.04	Sh.		
					1.25	1.32	275.36	SST. & Sh. Intercalated		
					0.66	0.69	276.05	SST. Med.		
276.05	279.10	3.05	3.05	100.00	3.05	3.05	279.10	SST. Med. with quartz pebbles		
279.10	282.15	3.05	3.00	96.36	3.00	3.05	282.15	SST. Med. to SST. Cgd.		
282.15	285.15	3.00	2.61	87.00	0.68	0.78	282.93	SST. Med. to SST. Cgd.		
					0.15	0.17	283.10	Sh. with C - streaks		
					0.57	0.66	283.76	C O A L		
					0.13	0.15	283.91	Sh.		
					0.25	0.29	284.20	M.P.		
					0.13	0.15	284.35	Sh.		
					0.11	0.12	284.47	C O A L		
285.15	288.15	3.00	2.73	91.00	0.59	0.68	285.15	SST. & Sh. Intercalated		
					2.21	2.43	287.58	SST. & Sh. Intercalated		
					0.52	0.57	288.15	Sh.		
288.15	290.15	2.00	1.80	90.00	1.22	1.36	289.51	SST. & Sh. Intercalated		
					0.58	0.64	290.15	SST. Med. with C - streaks		

Local (3) Fr.

Br., Fr.

V. fr

Br.

Fr.

1	2	3	4	5	6	7	8	9	10	11
290.15	291.25	1.10	1.10	100.00	1.10	1.10	291.25	SST. Mgd.		
291.25	291.75	0.50	0.50	100.00	0.28	0.28	291.53	SST. Mgd.		Fr., S.
					0.22	0.22	291.75	S.		
291.75	294.20	2.45	2.13	86.93	1.91	2.20	293.95	SST. & S. Intercalated		Fr., S., Ps.
					0.09	0.10	294.05	K.F.		
					0.13	0.15	294.20	Jh.		
294.20	297.25	3.05	0.83	27.21	0.69	2.54	296.74	G O A L		Br., Fr., S.
					0.08	0.29	297.03	S.		S., Ps., Fr.
					0.06	0.22	297.25	Csh.		
297.25	300.25	3.00	2.73	91.00	1.22	1.28	298.53	G O A L		Br., Fr., S., Ps.
					0.20	0.23	298.76	S.		
					0.05	0.08	298.84	G O A L		Br.
					0.18	0.22	299.06	CO.L with S. laminae		Fr.
					0.31	0.32	299.38	S. with C - streaks		
					0.46	0.48	299.86	G O A L		
					0.09	0.12	299.98	Csh.		
					0.17	0.19	300.17	G O A L		Br.
					0.05	0.08	300.25	S. with C - streaks		
300.25	303.30	3.05	2.99	98.03	0.32	0.33	300.58	S.		
					0.99	1.01	301.59	G O A L		Br.
					0.44	0.45	302.04	S.		
					1.24	1.26	303.30	S. Aren.		

XVI 4/B

1	2	3	4	5	6	7	8	9	10	11
303.30	306.40	3.10	3.07	99.67	1.49	1.52	304.82	SST. & Sh. Intercalated		
					0.30	0.31	305.13	SST. Mgd.		
					1.25	1.27	306.40	SST. Cgd.		
306.40	309.50	3.10	3.10	100.00	0.90	0.90	307.30	Gr t.		
					2.20	2.20	30.50	SST. Cgd.		
309.50	312.60	3.10	3.10	100.00	0.48	0.48	309.98	Gr t.		
					2.62	2.62	312.60	SST. Cgd.		
312.60	315.60	3.00	2.35	95.00	0.51	0.53	313.13	Gr t. with quartz pebble		Pr.
					0.97	1.02	314.15	Sh. Aren.		
					0.12	0.13	314.28	SST. Mgd.		
					0.06	0.06	314.34	SST. Pgd. with C - streaks		
					0.16	0.17	314.51	C O A L		Br.
					0.12	0.13	314.64	Sh. with C - bands		
					0.05	0.05	314.69	Csh.		
					0.08	0.08	314.77	C O A L		
					0.54	0.57	315.34	Sh. with C - streaks		
					0.16	0.17	315.51	C O A L		
					0.08	0.09	315.60	Sc.		
315.60	318.65	3.05	2.94	96.39	0.26	0.27	315.87	C O A L		
					0.38	0.39	316.26	Sh. Aren.		
					0.83	0.86	317.12	Sh. with C - streak		

XVI

1	2	3	4	5	6	7	8	9	10	11
318.65	321.70	3.05	3.05	100.00	1.32	1.37	318.65	SST. Cgd.		
					0.40	0.40	317.05	SST. Cgd.		
					1.83	1.83	320.08	SST. Irregl.		
					0.10	0.19	321.07	Sh.		
					0.63	0.63	321.70	SST. Mgd.		
321.70	324.75	3.05	2.87	95.00	2.89	3.05	324.75	SST. Mgd. to SST. Cgd.		
324.75	327.75	3.00	3.00	100.00	3.00	3.00	327.75	SST. Cgd. to Grt.		
327.75	328.75	1.00	0.99	99.00	0.41	0.41	328.76	SST. Cgd. to Grt.		
					0.11	0.11	328.27	Sh.		
					0.47	0.48	328.75	SST. & Sh. Intercalated		
328.75	330.90	2.15	2.06	95.81	2.06	2.15	330.90	Sh. Irregl.		
330.90	333.00	2.10	2.06	98.09	2.06	2.10	333.00	Sh. Irregl.		
333.00	336.05	3.05	2.99	98.03	0.25	0.26	333.26	Sh. Irregl.		
					1.23	1.25	334.51	SST. & Sh. Intercalated		
					0.89	0.91	335.42	SST. Mgd. wth Sh. Laminee		
					0.62	0.63	336.05	SST. Cgd.		
336.05	339.15	3.10	3.08	99.35	0.59	0.59	336.64	SST. Cgd.		
					2.49	2.51	337.15	SST. Mgd. to Cgd.		
337.15	342.00	2.85	2.83	97.29	2.83	2.85	342.00	SST. Cgd.		
342.00	343.30	1.30	1.20	92.30	0.52	0.56	342.56	SST. Cgd.		
					0.14	0.15	342.71	Sh.		
					0.44	0.48	343.70	SST. Mgd. Sideritic.		

1	2	3	4	5	6	7	8	9	10	11
343.30	346.30	3.00	2.39	79.66	0.10	0.11	343.30	Sh. Aren.		Sh., Ps.
					0.09	0.11	343.41	Sh. Aren.		
					0.61	0.77	344.13	SST. Mgd.		
					1.69	2.12	346.30	C O A L	XV	Br., S., Fr.
346.30	348.30	2.00	1.17	58.5	0.63	1.06	347.35	Sh.		Fr., S., Ps.
					0.54	0.92	348.30	Sh. with Aren. bands		
348.30	349.30	1.00	1.00	100.00	1.00	1.00	349.30	SST. Mgd.		
349.30	352.35	3.05	3.05	100.00	0.43	0.44	349.74	SST. Mgd.		
					0.28	0.21	349.95	Grit.		
					2.40	2.40	352.35	SST. Gcd.		
352.35	355.40	3.05	2.60	85.24	2.60	3.05	355.40	SST. Gcd.		Fr.
355.40	358.45	3.05	3.00	93.36	3.00	3.05	358.45	Grit.		
361.25	363.95	2.70	2.27	84.07	1.70	2.02	363.27	Sh. Aren.		
					0.51	0.61	363.83	Sh.		Br.
					0.06	0.07	363.75	Sh. with C - streak		
363.75	364.95	1.00	0.80	80.00	0.44	0.55	364.50	Sh.		Fr.
					0.36	0.45	364.95	SST. & Sh. Intercalated		Fr., V. Fr.
364.95	366.00	1.05	1.84	77.45	0.76	0.76	365.71	SST. & Sh. Intercalated		
					1.03	1.09	366.00	Sh.		Fr.
366.00	368.05	1.25	1.13	94.4	0.10	0.11	366.71	C O A L		
					0.60	0.63	367.54	Sh.		Fr., V. Fr.

1	2	3	4	5	6	7	8	9	10	11
363.05	369.55	1.50	1.46	37.33	1.46	1.50	369.55	SST. Cgd. with quartz pebble		
369.55	370.05	0.50	0.46	32.00	0.46	0.50	370.05	SST. Cgd. with quartz pebble		
370.05	373.10	3.05	2.30	25.00	0.24	0.25	370.30	Sn.		
					0.52	0.55	370.05	SST. Mgd.		
					0.06	0.30	371.75	SST. Mgd. with Sn. laminae		
					0.41	0.43	372.13	SST. & Sn. Intercalated	XV	
					0.37	0.32	373.10	SST. Cgd.		
373.10	374.10	1.00	0.72	72.00	0.46	0.64	373.74	Sn.		Fr.
					0.26	0.36	374.10	SST. & Sn. Intercalated		
374.10	375.10	1.00	0.76	76.00	0.53	0.76	374.06	SST. & Sn. Intercalated		Sl., Br.
					0.10	0.24	375.10	SST. Mgd.		
375.10	376.20	1.30	1.55	66.11	0.26	0.30	375.40	SST. & Sn. Intercalated		
					1.14	1.33	376.73	SST. Mgd.		
					0.10	0.11	376.04	SST. & Sn. Intercalated		
					0.05	0.06	376.20	SST. Mgd.		
376.20	379.25	3.05	2.06	23.77	2.06	3.05	379.25	SST. Mgd. with Sn. bands		
379.25	381.25	1.20	1.14	37.69	0.09	0.10	380.05	SST. Fgd.		
					0.44	0.50	380.55	Sn.		
					0.40	0.46	381.01	O O A L		
					0.21	0.24	381.25	Sn.		Local Br.
381.25	383.05	1.00	1.40	100.00	0.25	0.25	381.50	Sn.		Br., Fr.
					1.55	1.55	383.05	SST. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
407.45	409.00	1.55	1.40	70.32	1.40	1.55	409.00	Sh.		Br., Fr., Sl.
409.00	410.65	1.65	1.65	100.00	0.12	0.12	409.12	SST. Mgd. Student t c		
					1.27	1.27	410.37	SST. & Sh. Interpolated		Fr.
410.65	413.65	3.00	2.76	92.66	0.26	0.26	410.65	Sh.		
					0.33	0.41	411.06	Sh. baked		
					0.08	0.03	411.14	Jh.		
					0.02	0.02	411.16	M.F.		
					0.66	0.71	411.37	Jh.		
					0.27	0.27	412.16	Jh. + M.F.		
					0.33	0.42	412.53	Jh.		
					0.06	0.06	412.64	M.F.		
					0.31	0.34	412.93	Jh.		Fr.
					0.04	0.04	413.02	M.F.		
					0.53	0.63	413.65	Jh.		Fr., Fs.
413.65	414.00	0.35	0.34	97.14	0.06	0.07	413.72	M.F.		
					0.23	0.23	414.00	Jh.		
414.00	417.10	3.10	3.02	97.41	0.46	0.46	414.46	Jh.		
					0.25	0.26	414.72	M.F.		
					0.60	0.61	415.33	Jh.		
					0.06	0.06	415.37	M.F. + Jh.		
					0.31	0.32	415.71	Sh. baked		

XI/XII

Br.

Fr.

Fr., Fs.

Br., Fr., Sl.

Fr.

1	2	3	4	5	6	7	8	9	10	11
429.25	432.30	3.05	2.97	77.37	0.43	0.52	429.25	SST. Qgd.		Br., Fr.
432.30	433.50	1.20	1.06	88.33	2.97	3.05	432.30	SST. Qgd. to Grit.		Fr., Fr.
									Local (L-1)	
					0.34	0.38	432.68	Grit.		
					0.54	0.62	433.30	Sh.		Br., Br.
					0.48	0.20	433.50	Grit. (Small pieces)		
433.50	434.45	0.75	0.73	97.89	0.33	0.34	344.34	SST. Qgd.		
					0.60	0.61	434.45	SST. & Sh. Intercalated		Fr., (Small piece
434.45	435.55	1.10	1.03	73.63	0.42	0.45	434.50	Sh.		
					0.27	0.31	435.21	SST. & Sh. Intercalated		
					0.32	0.34	435.55	Sh.		
435.55	438.55	3.00	2.87	76.33	0.35	0.36	435.71	Sh.		Br. (Small piece
					0.31	0.32	436.23	Sh. with C - streaks		Sl., Ps.
					1.83	1.95	438.18	Sh.		
					0.20	0.21	438.37	C O A L		
					0.15	0.16	438.55	Sh.		Br.
438.55	440.50	1.95	1.54	78.87	1.54	1.95	440.50	Sh.		Fr., Br., Sl.
440.50	441.45	0.95	0.75	100.00	0.27	0.27	440.77	Sh.		Fr., Br., Sl.
					0.27	0.27	441.06	SST. Argil.		Sl., Fr.
					0.39	0.39	441.45	Sh.		Sl., Ps., Br.

1	2	3	4	5	6	7	8	9	10	11
441.45	443.30	1.05	1.05	100.00	0.08	0.00	441.53	Sh.		
					0.06	0.06	441.59	0 0 A L		
					0.40	0.40	441.99	Sh. baked		
					0.11	0.11	442.10	Gsh. baked		
					0.70	0.70	442.00	M.F.		
					0.50	0.50	443.30	Sh. baked		Fr.
					0.09	0.09	443.30	Sh.		
443.30	444.30	1.00	0.97	97.00	0.40	0.41	443.30	Jh.		
					0.48	0.50	444.30	SSL & Sh. Intercalated		Fr.
444.30	445.05	0.75	0.75	100.00	0.75	0.75	445.05	SSL & Sh. Intercalated		Fr., Sh., Ps.
445.05	445.30	0.25	0.25	100.00	0.25	0.25	445.30	Sh.		Fr.
445.30	446.30	1.00	0.99	99.00	0.99	1.00	446.30	Sh.		Fr.
446.30	446.95	0.65	0.61	93.84	0.61	0.65	446.95	Sh.		Fr.
446.95	447.95	1.00	0.93	93.00	0.93	1.00	447.95	Sh.		Fr.
447.95	450.95	3.00	2.81	93.66	2.81	3.00	450.95	Sh.		Fr., Br.
450.95	451.30	0.35	0.34	97.14	0.34	0.35	451.30	Sh.		Fr., Br.
451.30	453.00	2.50	2.18	97.2	0.21	0.24	451.54	Sh.		
					0.13	0.15	451.69	Jh.		
					0.08	0.09	451.78	Jh. M.F.		
					0.12	0.14	451.92	Jh.		
					0.04	0.05	451.97	M.F.		

Local

1	2	3	4	5	6	7	8	9	10	11
453.00	456.05	3.05	2.20	74.75	0.61	0.70	452.73	Sh. baked		Br.
456.05	457.05	1.00	0.69	69.00	0.24	0.23	453.06	C O A L		Br.
457.05	459.60	1.75	1.52	66.85	0.36	0.41	453.47	Sh.		Br., Fr., Sl.
459.60	461.40	1.80	1.43	77.44	0.27	0.33	453.00	C O A L		Br., Fr., Sl.
461.40	462.05	0.65	0.60	92.30	0.20	1.00	456.05	C O A L		Br., Fr., Sl.
462.05	462.00	0.75	0.66	38.00	0.22	0.25	462.30	Sh. aren.		Fr., Sl., Br.
462.00	465.95	3.15	3.15	100.00	0.44	0.50	462.00	C O A L		Br.
					2.15	2.15	464.95	C O A L	VIIIB	Br., Fr.
					0.24	0.24	465.17	Sh.		
					0.33	0.33	465.57	SST. lign.		
465.95	466.45	0.50	0.50	100.00	0.33	0.33	465.95	Sh. with C - streak		
466.45	467.95	1.50	1.23	85.33	0.50	0.50	466.45	Sh.		
					0.16	0.19	466.64			
467.95	470.75	2.30	2.30	100.00	1.12	1.31	467.95	SST. Cgd.		
470.75	473.30	2.55	2.54	99.60	2.30	2.30	470.75	SST. Cgd.		
473.30	475.30	2.00	2.00	100.00	2.54	2.55	473.30	SST. Cgd. - grit.		
475.30	476.95	1.65	1.59	96.36	2.00	2.00	475.30	SST. Cgd.		
					0.44	0.46	475.76	SST. Cgd.		Sl.

1	2	3	4	5	6	7	8	9	10	11
476.55	478.40	1.45	1.45	100.00	0.25	0.26	476.02	Sh. lren.		Sl.
					0.70	0.73	476.95	SST. Cgd.		
					0.95	0.95	477.70	SST. Cgd. Grt l.		
					0.15	0.15	478.05	Sh.		
					0.35	0.35	478.40	SST. Mgd.		
478.40	481.40	3.00	2.96	93.66	2.96	3.00	481.40	SST. Cgd.		Fr.
481.40	484.45	3.05	3.02	99.01	3.02	3.05	484.45			
484.45	487.15	2.70	2.61	96.66	2.61	2.70	487.15	Grt l.		
487.15	489.90	2.75	2.44	93.72	2.44	2.75	489.90	SST. Cgd.		
489.90	491.40	1.50	1.50	100.00	0.14	0.14	490.04	SST. Cgd.		
					1.36	1.36	491.40	SST. & Sh. Intercalated		
491.40	492.70	1.30	1.30	100.00	1.30	1.30	492.70	SST. Cgd. with quartz pebble		
492.70	494.00	1.30	1.27	99.23	0.06	0.06	492.76	SST. Cgd. with quartz pebble		
					0.27	0.27	493.03	C O A L		
					0.25	0.25	493.23	Csh.		
					0.12	0.12	493.40	Sc.		
					0.34	0.35	493.75	C O A L		
					0.25	0.25	494.00	Csh.		
494.00	497.05	3.05	3.05	100.00	3.05	3.05	497.05	C O A L		
497.05	498.00	1.75	1.60	91.42	1.22	1.33	498.30	C O A L		
					0.33	0.42	498.60	SST. & Sh. Intercalated		
										Fr., Sl.
										Fr., Sl.

VITTA

1	2	3	4	5	6	7	8	9	10	11
500.00	502.60	2.60	2.57	75.64	0.45	0.43	500.00	SST. Mgcl.		Sl.
502.60	503.85	1.25	1.25	100.00	2.57	2.60	502.60	SST. Cgd.		Fr.
603.35	505.75	2.10	2.07	53.57	1.20	1.20	503.00	SST. Cgd.		Fr.
					0.05	0.05	503.35	Sh.		Sl.
					0.22	0.22	504.07	SST. & Sh. Intercalated		
					0.15	0.15	504.22	Sh. with C - streaks		
					0.03	0.03	504.30	C O A L		
					1.62	1.65	505.75	SST. Argil.		
505.75	507.05	3.10	3.10	100.00	1.30	1.10	507.35	SST. & Sh. Intercalated		
507.05	512.15	3.10	3.07	55.03	1.20	1.20	507.05	Sh. with Aren. band		Fr.
					0.69	0.70	509.75	SST. & Sh. Intercalated		
512.15	514.60	2.45	2.42	93.77	2.35	2.40	512.15	SST. Cgd. with Sh. Laminæ		
					1.54	1.56	513.71	SST. Cgd. with Sh. Laminæ		
					0.33	0.37	514.60	SST. & Sh. Intercalated		
514.60	515.55	0.75	0.72	96.34	0.47	0.49	515.09	SST. & Sh. Intercalated		
					0.45	0.46	515.55	SST. Mgcl. with Sh. Laminæ		
515.55	516.55	3.00	2.92	97.33	2.33	2.71	516.46	SST. Cgd.		
					0.09	0.07	516.55	Sh. with C - streaks		
516.55	520.05	1.50	1.43	95.33	0.20	0.21	516.76	Sh. with C - streaks		
					0.24	0.25	517.01	SST. & Sh. Intercalated		
					0.77	0.31	517.32	SST. Mgcl.		
					0.22	0.23	520.05	SST. & Sh. Intercalated		

1	2	3	4	5	6	7	8	9	10	11
520.05	520.50	0.45	0.45	100.00	0.40	0.40	520.45	Sh. sideritic		
					0.05	0.05	520.50	SST. Mgd.		
520.50	521.50	1.00	0.98	98.00	0.84	0.86	521.36	SST. Gd.		
					0.14	0.14	521.50	C O A L		
521.50	522.60	3.10	3.10	100.00	2.20	2.20	523.70	C O A L		
					0.10	0.10	523.80	Sh. with C - streaks		
					0.25	0.25	524.05	C O A L		
					0.55	0.55	524.60	Sh. with C - streaks		
524.60	527.70	3.10	3.10	100.00	3.10	3.10	527.70	SST. & Sh. Intercalated		
527.70	530.75	3.05	3.04	99.67	2.37	2.38	530.00	SST. & Sh. Intercalated		
					0.67	0.67	530.75	Grt.		
530.75	532.25	1.50	1.50	100.00	0.21	0.21	530.76	Grt. with quartz pebbles		
					0.82	0.82	531.70	C O A L		
					0.20	0.20	531.98	Cal.		
					0.27	0.27	532.25	C O A L		
532.25	533.75	1.50	1.47	98.00	1.47	1.50	533.75	C O A L		
533.75	535.75	2.00	1.72	86.00	1.00	1.17	534.92	C O A L		
					0.15	0.17	535.07	Sc.		
					0.39	0.45	535.54	Sh.		
					0.06	0.07	535.61	C O A L		
					0.12	0.14	535.75	Sh.		

VIII

V/VI/VII Fr., Br.

Fr., Sh.

1	2	3	4	5	6	7	8	9	10	11
537.00	535.00	2.00	2.04	72.05	0.71	0.28	537.00	C O A L		S., Fr.
					0.16	0.22	535.20	Sh.		
					0.30	0.41	535.61	C O A L		
					0.30	0.41	535.02	Sh.		
53.00	540.30	0.50	0.50	100.00	0.37	0.73	535.00	C O A L		Fr., S., Br.
540.30	542.00	2.50	2.04	01.6	0.50	0.50	540.30	C O A L		Fr., S., Br.
					0.12	0.15	540.45	C O A L		
					0.10	0.23	540.60	Sh. with C - streak		Fr., S., Br., Ps
					0.50	0.71	541.30	C O A L		
					0.10	0.22	541.61	Sc.		
					0.32	0.40	542.01	C O A L		Br. (Powder)
					0.13	0.16	542.17	Sh.		
					0.46	0.56	542.73	C O A L		S.
					0.06	0.07	542.00	Sc.		
542.00	545.00	3.00	1.70	55.66	0.30	0.50	543.30	Sh. with C - streaks		Fr., S.
					0.20	0.24	543.64	C O A L		Fr., S.
					0.12	0.20	543.04	Sc.		Fr., S.
					0.05	0.06	543.02	C O A L		
					0.07	0.12	544.04	Sh.		Fr., S.
					0.05	0.06	544.12	C O A L		Fr., S.
					0.37	0.62	544.74	Sh. with C - streak		Fr., S.
					0.13	0.22	544.96	C O A L		
					0.50	0.64	545.30	Sh.		Fr., S.

V/VI/VII

1	2	3	4	5	6	7	8	9	10	11
545.30	546.70	1.10	0.03	30.00	0.03	1.10	546.70	Sh. with C - streak		Fr.
546.90	547.70	1.00	1.45	30.55	0.05	0.06	546.96	Sc.		Fr., Sl., Ps.
					0.47	0.53	547.54	Sh.		Fr., Sl., Ps.
					0.93	1.16	548.70	C O A L		Fr., Sl., Ps.
548.70	550.30	1.60	1.56	97.5	1.16	1.17	548.79	C O A L		Fr., Br., Sl.
					0.24	0.25	550.14	Sh.		
					0.16	0.16	550.30	C O A L		Br.
550.30	551.30	1.00	0.07	37.00	0.02	0.03	550.33	C O A L		
					0.30	0.34	550.67	Sh. with C - streak		Fr., Sl.
					0.06	0.07	550.74	Sc.		
					0.49	0.56	551.30	C O A L		Br., Fr., Sl., Ps.
551.30	552.00	1.50	1.47	33.00	0.70	0.91	552.21	C O A L		Br., Fr., Sl., Ps.
					0.15	0.16	552.37	Sh.		
					0.42	0.43	552.00	C O A L		Br., Sl., Ps.
552.00	554.10	1.30	1.26	96.92	1.26	1.30	554.10	C O A L		Br., Sl., Ps.
554.10	556.15	2.05	2.04	99.51	0.07	0.09	554.19	C O A L		
					0.12	0.12	554.31	SST. & Sh. Intercalated		
					0.26	0.26	554.57	Sh.		Sl., Ps.
					0.04	0.05	555.42	Sh. with green bands		
					0.73	0.73	556.15	SST. Med.		

V/VI/VII

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. MB - 7.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
Local (L-11)	78.36	78.66	0.30	
Local (L-10)	85.20	85.29	0.09	
XVIIID	109.35	110.59	0.74	
XVIII C	122.33	124.13	1.75	
XVIII B	126.72	128.45	1.73	
XVIII A	139.20	140.90	1.70	
XVIII	147.36	151.68	1.82	
Local (L-9)	157.59	159.55	1.96	
Local	170.41	170.86	0.45	
Local (L-8)	174.54	174.92	0.38	
Local (L-7)	188.33	188.48	0.15 0.15	
XVIIA	216.11	218.04	1.93	
XVII	235.88	236.90	1.02	
	238.84	239.39	0.55	
	244.37	244.89	0.52	
Local (L-6)	264.71	265.05	0.34	
	265.05	265.47	0.42	
	265.47	265.91	0.44	
Local (L-3)	283.10	283.61	0.51	] C, Jh
	283.61	284.47	0.86	
XVI A/B	293.95	294.20	0.25	Jh, M.P. 4.11 G.
	294.20	298.31	4.11	
XVI	315.34	315.87	0.53	
XV	344.18	346.30	2.12	
Local	380.73	381.01	0.28	
XI/XII	411.06	418.00	6.94	Jh, M.P.
Local	423.51	424.25	0.74	
Local	443.39	443.80	0.41	
VIIIC/IX/X	453.56	461.50	7.94	
VIIIB	462.53	464.95	2.42	
VIII A	492.76	498.38	5.62	
VIII	521.36	524.05	2.69	
V/VI/VII	530.96	554.19	23.23	

BOREHOLE NO. : MB - 8.

II/1063

Latitude : 19°00.6805
Departure : 23260.3189

R. L. of Collare : 189.016.
Depth drilled : 506.35 m.

Commenced on : 18.10.1978
Completed on : 30.1.1979.
All dimensions in metres

From	To	Thickness	RECOVERY		THICKNESS		Depth of Floor	L I T H O L O G Y	Seam Corre-lation.	Structure
			Reco- vered.	Per- cent.	Reco- vered.	Extra- polated				
1	2	3	4	5	6	7	8	9	10	11
0.00	3.00	3.00	-	-	-	-	3.00	Sludge.		
3.000	5.00	2.00	-	-	-	-	5.00	Soll.		
5.00	7.50	2.50	1.83	39.2	0.92	1.26	6.26	Sh.		W. Z.
					0.91	1.24	7.50	Sst. Mgd.		
7.50	10.00	2.50	2.37	94.8	1.50	1.58	9.08	Sst & Sh Intercalated.		
					0.87	0.92	10.00	Sst. Mgd.		
10.00	12.50	2.50	1.32	52.8	0.86	1.63	11.63	Sst. & Sh. Intercalated.		W. Z.
					0.46	0.87	12.50	Sst. Cgd.		
12.50	14.50	2.00	1.27	63.5	1.27	2.00	14.50	Sst. Cgd to Grit.		W. Z.
14.50	16.00	1.50	1.05	70.0	1.05	1.50	16.00	Sh. aren.		
16.00	18.40	2.40	1.98	82.5	0.58	0.70	16.70	Sst. & Sh. Intercalated.		
					1.40	1.70	18.40	Sst. Cgd.		
18.40	20.00	1.60	1.33	83.1	0.44	0.53	18.93	- do -		

1	2	3	4	5	6	7	8	9	10	11
20.00	23.00	3.00	2.91	97.0	2.14	2.21	22.21	Sst. & Sh. Intercalated.		
23.00	26.05	3.05	3.05	100.0	0.77	0.79	23.00	Sh. aren.		
26.05	29.00	2.95	2.95	100.0	3.05	3.05	26.05	Sst argill.		
					0.25	0.25	26.30	-do-		
					1.15	1.15	27.45	Sst. & Sh. Intercalated.		
					1.10	1.10	28.55	Sst. Fgd.		
					0.45	0.45	29.00	Sst. & Sh. Intercalated.		
29.00	32.05	3.05	3.05	100.0	0.60	0.60	29.60	-do-		
					2.45	2.45	32.05	Sst. Mgd to Sst. Cgd with Sh. bands.		
32.05	35.10	3.05	3.05	100.0	3.05	3.05	35.10	Sst. Cgd to Grit.		
35.10	38.15	3.05	2.89	94.8	1.51	1.59	36.69	-do-		
					0.35	0.37	37.06	Shale.		
					0.15	0.16	37.22	Sh. with C. Streaks.		
					0.52	0.55	37.77	COAL.		
					0.36	0.38	38.15	Sst. & Sh. Intercalated.		
38.15	41.25	3.10	3.00	96.8	3.00	3.10	41.25	-do-		
41.25	44.35	3.10	3.10	100.0	0.77	0.77	42.02	-do-		
					1.71	1.71	43.73	Sst. Mgd.		
					0.62	0.62	44.35	Sst. Cgd.		
44.35	47.45	3.10	3.10	100.0	0.53	0.53	44.88	-do-		
					0.43	0.43	45.31	Sst. & Sh. Intercalated.		

XVII D

Br, Vfr.

Br.

1	2	3	4	5	6	7	8	9	10	11
47.45	50.50	3.05	3.04	99.7	1.12	1.12	48.57	-do-		
					0.70	0.70	47.45	Sst. & Sh. Intercalated.		
					1.80	1.81	50.38	Shale.		
					0.12	0.12	50.50	COAL.		Br.
					1.97	1.97	52.47	COAL.	XVIII C	Br.
50.50	53.60	3.10	3.10	100.0	0.74	0.74	53.21	Sh.		
					0.39	0.39	53.60	Sst. Mgd with Sh. bands.		
53.60	54.60	1.00	0.99	99.0	0.38	0.38	53.98	-do-		
					0.61	0.62	54.60	Sh.		Vfr.
54.60	56.40	1.80	1.78	98.9	0.06	0.06	54.66	S.C.		
					1.72	1.74	56.40	COAL.	XVIIIB	Br.
56.40	59.45	3.05	2.97	97.4	1.12	1.15	57.55	Sst. & Sh. Intercalated.		
					0.45	0.46	58.01	Sst. Fgd.		
					1.40	1.44	59.45	Sst. & Sh. Intercalated.		Vfr.
59.45	61.90	2.45	2.38	97.1	0.05	0.05	59.50	-do-		
					0.74	0.76	60.26	Sh.		
					0.64	0.66	60.92	Sst. argill.		
					0.45	0.46	61.38	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
61.90	63.15	1.25	1.24	99.2	0.24	0.24	62.14	Sh. aren.		
					0.12	0.12	62.26	S.C.		
					0.88	0.89	63.15	COAL.	XVIII A	Br.
63.15	66.15	3.00	2.90	96.7	1.07	1.11	64.26	C O A L.		Br.
					1.83	1.89	66.15	Sh. aren.		
66.15	67.15	1.00	0.97	97.0	0.40	0.42	66.57	C O A L.		
					0.12	0.12	66.69	Sh.		
					0.05	0.05	66.74	C O A L.		
					0.40	0.41	67.15	Sh. with C. streaks.		Br, Vfr
67.15	68.00	0.85	0.81	95.3	0.25	0.26	67.41	Sh.		
					0.56	0.59	68.00	COAL.		Br.
68.00	69.35	1.35	1.35	100.0	0.42	0.42	68.42	COAL.	XVIII	Br.
					0.13	0.13	68.55	Sh. aren with C. streaks.		
					0.72	0.72	69.27	C O A L.		
					0.08	0.08	69.35	Sst. & Sh. Intercalated.		Sl, Ps.
69.35	72.15	2.80	2.72	97.1	2.72	2.80	72.15	-do-		Br.
72.15	74.05	1.90	1.90	100.0	1.90	1.90	74.05	-do-		Br, Vfr
74.05	75.45	1.40	1.40	100.0	0.60	0.60	74.65	-do-		
					0.45	0.45	75.10	Sst. Mgd.		
					0.35	0.35	75.45	Sst. & Sh. Intercalated.		
75.45	78.45	3.00	2.83	94.3	1.93	2.05	77.50	Sst. Mgd.		Br.

1	2	3	4	5	6	7	8	9	10	11
78.45	81.55	3.10	3.10	100.0	0.90	0.95	78.45	Sst. & Sh. Intercalated!	Br. Vfr.	
					0.60	0.60	79.05	C O A L.	Local Br.	
					0.73	0.73	79.78	Sh.		
					0.50	0.50	80.28	C O A L.	Br, Vfr.	
					0.70	0.70	80.98	Sst. & Sh. Intercalated.	Br.	
					0.38	0.38	81.36	Sst. Cgd.		
					0.19	0.19	81.55	Sst. & Sh. Intercalated.		
81.55	84.55	3.00	3.00	100.0	0.50	0.50	82.05	-do-	Fr, SL,	
					0.41	0.41	82.46	C O A L.		
					0.59	0.59	83.05	Sst. argill.	Fr.	
					1.50	1.50	84.55	Sst. & Sh. Intercalated.	Br, Vfr.	
84.55	87.15	2.60	2.56	98.5	0.21	0.21	84.76	Sst. Cgd.	Br, Sf.	
					0.30	0.31	85.07	Sst. Mgd.		
					2.05	2.08	87.15	Sst. Cgd to Grit.	Br, Fr.	
87.15	87.95	0.80	0.75	93.8	0.75	0.80	87.95	-do-	Br, Fr.	
87.95	90.70	2.75	2.66	96.7	0.61	0.63	88.58	-do-	Br, Fr.	
					1.70	1.76	90.34	Sst. & Sh. Intercalated.	Br, Fr.	
					0.35	0.36	90.70	Sh.		
90.70	92.25	1.55	1.45	93.6	0.45	0.48	91.18	Sst. Fgd with Sh. bands.		

1	2	3	4	5	6	7	8	9	10	11
92.25	93.75	1.50	1.29	86.0	0.44	0.52	92.77	Sst. & Sh. Intercalated.		Br, Fr.
					0.33	0.38	93.15	Sh.		
					0.19	0.22	93.37	Sst. argill.		
					0.33	0.38	93.75	C O A L.		Br.
93.75	96.80	3.05	3.05	100.0	0.27	0.27	94.02	Sh.		Br.
					0.42	0.42	94.44	Sst. Fgd with Sh. bands.		
96.80	99.85	3.05	3.05	100.0	2.36	2.36	96.80	Sst. argill.		
					2.00	2.00	98.80	-do-		
					0.31	0.31	99.11	Sh. with C streaks.		Sl, Ps.
99.85	102.95	3.10	3.10	100.0	0.74	0.74	99.85	Sst. & Sh. Intercalated.		
					0.44	0.44	100.29	Sst. Argill.		
					0.50	0.50	100.79	Sst. & Sh. Intercalated.		
					0.30	0.30	101.09	C O A L.		10081 (L-8) Br.
					0.17	0.17	101.26	Sh.		
					1.15	1.15	102.41	Sst. Fgd with Sh. bands.		
					0.54	0.54	102.95	Sh.		
102.95	106.05	3.05	3.02	99.0	0.22	0.22	103.17	-do-		
					0.05	0.05	103.22	Sst. Mgd.		
					0.06	0.06	103.28	C O A L.		
					0.18	0.18	103.46	Sh.		
					0.40	0.40	103.86	Sh. aren.		

1	2	3	4	5	6	7	8	9	10	11
					0.08	0.08	103.94	C O A L.		
					0.55	0.56	104.50	Sst. argill.		
					0.06	0.06	104.56	C O A L.		
					1.27	1.29	105.85	Sst. & Sh. Intercalated.		
					0.08	0.08	105.93	Sh.		
					0.07	0.07	106.00	C O A L.		
106.00	109.05	3.05	3.05	100.0	0.48	0.48	106.48	Sst. Fgd.		
					2.05	2.05	108.53	Sst. & Sh. Intercalated.		
					0.52	0.52	109.05	Sst. Mgd with Sh. bands.		
109.05	112.10	3.05	2.81	92.1	1.40	1.51	110.56	Sst. Mgd.		
					0.26	0.28	110.84	C O A L.		
					0.21	0.23	111.07	Sh.		
					0.35	0.38	111.45	C O A L.		
					0.59	0.65	112.10	Sst & Sh. Intercalated.		
112.10	115.15	3.05	3.05	100.0	0.33	0.33	112.43	Sst. Fgd with Sh bands.		
					0.39	0.39	112.82	Sh.		
					0.27	0.27	113.09	Sst. argill.		
115.15	118.20	3.05	3.05	100.0	2.06	2.06	115.15	Sst. & Sh. Intercalated.		Sl. Ps.
					2.10	2.10	117.25	-do-		
					0.95	0.95	118.20	Sst. Mgd.		

Br.

Local(L-7)

1	2	3	4	5	6	7	8	9	10	11
121.25	124.30	3.05	3.05	100.0	0.30	0.30	120.14	Sst. argill.		
					0.31	0.31	120.45	Sst. Mgd with Sh. bands.		
					0.31	0.31	120.76	Sst. & Sh. Intercalated.		
					0.37	0.37	121.13	Sh.		
					0.12	0.12	121.25	Sst. argill.		ps.
					0.70	0.70	121.95	Sst. & Sh. Intercalated.		
					1.40	1.40	123.35	Sst. Mgd.		
					0.34	0.34	123.69	Sst. & Sh. Intercalated.		
					0.07	0.07	123.76	C O A L.		
					0.06	0.06	123.82	Sst. argill.		
					0.48	0.48	124.30	C O A L.		
124.30	127.35	3.05	3.05	100.0	0.33	0.33	124.63	C O A L.		
					1.00	1.00	125.63	Sh. aren.		
					0.47	0.47	126.10	Sst. argill.		
					1.03	1.03	127.13	Sst. & Sh. Intercalated.		
					0.22	0.22	127.35	Sst. argill.		
127.35	130.35	3.00	3.00	100.0	1.13	1.13	128.48	Sh. with C streaks.		
					0.21	0.21	128.69	Sst. argill.		
					0.44	0.44	129.13	Sst. Mgd with Sh. bands.		
					0.20	0.20	129.33	Sst. Fgd.		
					1.02	1.02	130.35	Sst. argill.		

1	2	3	4	5	6	7	8	9	10	11
130.35	133.35	3.00	2.96	98.7	2.35	2.38	132.73	Sst. & Sh. Intercalated.		
					0.61	0.62	133.35	Sst. Cgd to Grit.		
133.35	136.40	3.05	3.04	99.7	2.74	2.73	136.09	Grit.		
					0.31	0.31	136.40	C O A L.		
136.40	139.45	3.05	2.96	97.1	0.26	0.27	136.67	C O A L.		
					0.50	0.52	137.19	Jhama.		
					0.12	0.12	137.31	Sst. Fgd.	XVII A	
					0.76	0.78	133.09	Jhama.		Br.
					1.32	1.36	139.45	C O A L.		Br.
139.45	142.50	3.05	2.98	97.7	0.07	0.07	139.52	Jhama.		
					0.10	0.10	139.62	M. P.		
					0.05	0.05	139.67	Jhama.		
					0.23	0.23	139.90	Sh. aren.		
					0.43	0.44	140.34	Sst. Fgd.		
					1.74	1.79	142.13	Sst. Mgd to Sst. Cgd.		
					0.36	0.37	142.50	Sst. & Sh. Intercalated.		
					1.62	1.67	144.17	Sst. Cgd.		
142.50	145.55	3.05	2.97	97.4	0.59	0.61	144.78	Sst. argill.		
					0.47	0.48	145.26	Sst. Mgd.		
					0.07	0.07	145.33	Sst. argill.		

1	2	3	4	5	6	7	8	9	10	11
145.55	148.60	3.05	3.05	100.0	0.16 0.25	0.16 0.25	145.55 145.80	Sst. argill. -do-		
					1.27	1.27	147.07	Sst. Cgd.		
					0.33	0.33	147.40	Sh. with C. streaks.		
					0.47	0.47	147.87	Sst. & Sh. Intercalated.		
					0.48	0.48	148.35	Sst. argill.		
148.60	151.65	3.05	3.05	100.0	0.25	0.25	148.60	Sst. Mgd.		
					2.50	2.50	151.10	Grilt.		
151.65	154.70	3.05	3.05	100.0	0.55	0.55	151.65	Sst. Cgd.		
					1.84	1.84	153.49	Grilt.		
					0.45	0.45	153.94	Sst. & Sh. Intercalated.		
154.70	157.70	3.00	2.90	96.7	0.76	0.76	154.70	Sst. argill.		
					1.60	1.66	156.36	Sst. Fgd with Sh. bands.		
157.70	160.75	3.05	2.84	93.1	1.30	1.34	157.70	Sst. & Sh. Intercalated.		
					1.75	1.88	159.58	-do-		
					0.10	0.11	159.69	Sh.		
					0.24	0.26	159.95	C O A L.		
160.75	163.15	2.40	2.30	95.8	0.75	0.80	160.75	Sst. & Sh. Intercalated.		
					1.70	1.77	162.52	C O A L.		
163.15	164.15	1.00	0.98	98.0	0.60	0.63	163.15	Sst. Mgd with Sh. bands.		
					0.37	0.38	163.53	Sst. Fgd.		

IXVII

Br.
Br.

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1	2	3	4	5	6	7	8	9	10	11
164.15	167.20	3.05	2.90	95.1	0.17	0.17	163.70	Sst. Mgd.		Br.
					0.44	0.45	164.15	C O A L.	Local	
					0.10	0.10	164.25	C O A L.		Br.
					0.08	0.08	164.33	Sh.		
					0.54	0.57	164.90	Sst. & Sh. Intercalated.		
					0.30	0.32	165.22	Sst. Fgd.		
					0.33	0.35	165.57	Sst. & Sh. Intercalated.		
					0.10	0.10	165.67	Sst. Cgd.		
					1.45	1.53	167.20	Sst. & Sh. Intercalated.		
167.20	170.20	3.00	3.00	100.0	0.21	0.21	167.41	-do-		
					0.60	0.60	168.01	Sst. Cgd.		
					0.60	0.60	168.61	Sst. & Sh. Intercalated.		
					0.41	0.41	169.02	Sh, aren.		
					1.18	1.18	170.20	Sst. Cgd.		
170.20	172.95	2.75	2.68	97.5	2.68	2.75	172.95	-do-		Br, Fr
172.95	174.95	2.00	2.00	100.0	1.60	1.60	174.55	-do-		Br.
					0.40	0.40	174.95	Sst. & Sh. Intercalated.		
174.95	176.65	1.70	1.70	100.0	1.70	1.70	176.65	-do-		Br, Fr
176.65	178.15	1.50	1.50	100.0	1.50	1.50	178.15	-do-		Br, Fr
178.15	179.70	1.55	1.53	98.7	0.36	0.36	178.51	Sst. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
179.70	182.70	3.00	3.00	100.0	0.22	0.22	179.92	Sst. Cgd.		
					0.34	0.34	180.26	Sst. Mgd.		Br.
					0.48	0.48	180.74	Sst. Cgd.		
					0.39	0.39	181.13	Sst. & Sh. Intercalated.		Br.
					0.37	0.37	181.50	Sst. Mgd.		
					0.16	0.16	181.66	Sst. argill.		
					1.04	1.04	182.70	Sst. Cgd.		
182.70	183.90	1.20	0.94	73.3	0.44	0.56	183.26	Sst. Cgd. to Grt.		Br.
					0.50	0.64	183.90	Sst. Fgd. (Powder)		Br, S
183.90	185.10	1.20	2.00	83.3	1.00	1.20	185.10	Sst. Mgd. to Sst. Cgd. (Powder)		Br, F
185.10	185.80	0.70	0.70	100.0	0.70	0.70	185.80	Sst. Cgd.		Br, F
185.80	188.85	3.05	3.00	98.4	3.00	3.05	188.85	Sst. Cgd.		Br, Fr
188.85	191.90	3.05	2.98	97.7	2.98	3.05	191.90	Sst. Cgd.		
191.90	193.90	2.00	2.00	100.0	1.50	1.50	193.40	Sst. Cgd.		
					0.50	0.50	193.90	Sst. argill.		
193.90	195.90	2.00	1.70	85.0	1.70	1.00	195.90	Sst. & Sh. Intercalated.		
195.90	196.90	1.00	1.00	100.0	0.21	0.21	196.11	Sh.		
					0.15	0.15	196.26	Sst. Fgd.		
					0.44	0.44	196.70	Sst. & Sh. Intercalated.		
					0.20	0.20	196.90	Sst. Fgd.		

1	2	3	4	5	6	7	8	9	10	11
196.90	197.10	0.20	0.20	100.0	0.20	0.20	197.10	Sst. Fgd with Sh bands.		
197.10	200.10	3.00	2.48	82.7	0.53	0.64	197.74	Sst. & Sh. Intercalated.		
					0.80	0.98	198.72	Sst. argill.		
					0.50	0.60	199.32	Sst. & Sh. Intercalated.		
					0.15	0.18	199.50	Sh.		
					0.50	0.60	200.10	Sst. Mgd with Sh. bands.		
200.10	203.00	2.90	2.81	96.9	0.89	0.92	201.02	-do-		
					0.26	0.27	201.29	Sst. & Sh. Intercalated.		
					0.16	0.16	201.45	Sh.		
					0.73	0.76	202.21	C O A L.		
					0.08	0.08	202.29	S.C.		
					0.63	0.65	202.94	C O A L.		
					0.06	0.06	203.00	Sh.		
203.00	204.50	1.50	1.50	100.0	0.24	0.24	203.24	Sh.		
					1.26	1.26	204.50	C O A L.		
204.50	206.40	1.90	1.90	100.0	0.60	0.60	205.10	Sst. Mgd with Sh. bands.		
					1.18	1.18	206.28	Sst. argill.		
					0.12	0.12	206.41	Sst. Fgd.		
206.40	209.45	3.05	3.05	100.0	1.18	1.18	207.58	Sst. & Sh. Intercalated.		
					0.53	0.53	208.11	Sst. argill.		

1	2	3	4	5	6	7	8	9	10	11
209.45	212.50	3.05	2.99	98.0	2.25	2.30	211.75	Sst. Ogd to grlt.		
212.50	213.55	1.05	0.96	91.4	0.74	0.75	212.50	Sst. & Sh. Intercalated.		
213.55	215.30	1.75	1.75	100.0	0.96	1.05	213.55	-do-		
					1.20	1.20	214.75	-do-		
215.30	216.10	0.80	0.74	92.5	0.55	0.55	215.30	Sst. Mgda.		Fr.
					0.41	0.44	215.74	-do-		
					0.12	0.13	215.87	Sst. & Sh. Intercalated.		Fr.
					0.08	0.08	215.95	Sh.		
					0.13	0.15	216.10	C O A L.		
216.10	218.20	2.10	2.04	97.1	2.04	2.10	218.20	C O A L.		
218.20	219.20	1.00	0.96	96.0	0.60	0.62	218.52	C O A L.		
					0.36	0.38	219.20	Sst. & Sh. Intercalated.		
219.20	220.20	1.00	0.72	72.0	0.72	1.00	220.20	-do-		Fr,
220.20	221.25	1.05	1.05	100.0	0.75	0.75	220.95	-do-		Fr,
					0.30	0.30	221.25	Sh.		Fr.
221.25	223.30	2.05	2.05	100.0	0.56	0.56	221.81	Sh.		
					1.49	1.49	223.30	Sst. & Sh. Intercalated.		
223.30	224.60	1.30	1.26	96.9	0.36	0.37	223.67	Sh.		
					0.25	0.26	223.93	CSh.		
					0.16	0.17	224.10	Jhama.		
					0.10	0.10	224.20	Sh. Baked.		
					0.30	0.31	224.51	Jh. M. P.		

XVIC

XVI AB

1	2	3	4	5	6	7	8	9	10	11
224.60	226.00	1.40	1.31	93.6	0.09	0.09	224.60	Jhama.		
226.00	227.15	1.15	1.15	100.0	0.07	0.07	224.67	-do-		
227.15	229.65	2.50	2.38	95.2	1.24	1.33	226.00	C O A L.	XVI AB	Br.
					1.15	1.15	227.15	C O A L.		Br.
					0.39	0.41	227.56	C O A L.		Br.
					0.22	0.23	227.79	Sh. with C. bands.		
					0.24	0.25	228.04	C. with Sh. bands.		
					0.18	0.19	228.23	Sh. with C. streaks.		
					0.55	0.58	228.81	C O A L.		
					0.63	0.66	229.47	Sh. aren.		
					0.17	0.18	229.65	C O A L.	Local	
229.65	231.20	1.55	1.48	95.5	0.49	0.51	230.16	C O A L.		Br.
					0.99	1.04	231.20	Sst. argill.		Br.
231.20	233.20	2.00	1.93	96.5	0.90	0.93	232.13	Sst. & Sh. Intercalated.		
					1.03	1.07	233.20	Sst. Mgd.		
233.20	233.60	0.40	0.39	97.5	0.39	0.40	233.60	Sh.		Vtr.
233.60	236.40	2.80	2.76	98.6	0.12	0.12	233.72	-do-		
					2.64	2.68	236.40	Grit.		
236.40	238.80	2.40	2.32	96.7	2.32	2.40	238.80	-do-		
238.80	240.40	1.60	1.21	75.6	0.39	0.52	239.32	-do-		

1	2	3	4	5	6	7	8	9	10	11
240.40	242.20	1.80	1.61	75.6	0.07	0.09	239.89	Sh.		
					0.06	0.07	239.96	C O A L.		
					0.33	0.44	240.40	Sh. with C. Streaks.		
					0.30	0.39	240.73	C O A L.		Br.
					0.60	0.67	241.40	Sh.		
					0.30	0.34	241.74	COAL with sh. laminated.		
					0.41	0.46	242.20	Sh.		
242.20	243.60	1.40	1.28	91.4	0.93	1.02	243.22	Sh. with C. Streaks.		
					0.35	0.38	243.60	Sst. argill.		
243.60	245.30	1.70	1.68	98.8	0.80	0.81	244.41	Sst. Mgd. with Sh. laminae.		
					0.88	0.89	245.30	Sst. Cgd.		
245.30	248.35	3.05	3.00	98.4	3.00	3.05	248.35	Grit.		
248.35	251.45	3.10	3.10	100.0	3.10	3.10	251.45	-do-		
251.45	254.50	3.05	3.04	99.7	0.83	0.83	252.28	-do-		
					2.21	2.22	254.50	Sst. & Sh. Intercalated.		
254.50	257.55	3.05	2.93	96.1	0.45	0.47	254.97	-do-		
					2.48	2.58	257.55	Sst. Cgd. to grit.		
257.55	260.60	3.05	3.03	96.1	3.03	3.05	260.60	Sst. Cgd. with quartz pebble.		
260.60	263.70	3.10	3.10	100.0	3.10	3.10	263.70	Grit.		
263.70	266.70	3.00	2.95	96.7	2.95	3.00	266.70	-do-		
266.70	269.75	3.05	3.04	99.7	1.12	1.12	267.32	Sh.		
					1.32	1.33	269.15	Grit.		

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1	2	3	4	5	6	7	8	9	10	11
269.75	272.75	3.00	2.99	99.7	0.16 0.44 2.33 0.11 0.27 0.28	0.16 0.44 2.34 0.11 0.27 0.28	269.31 269.75 272.09 272.20 272.47 272.75	Sst. & Sh. Intercalated. Grit. Grit with Quartz pebbles. C O A L. Sh. C O A L.		
272.75 273.75	273.75 275.40	1.00 1.65	0.98 1.60	98.0 96.9	0.98 0.11	1.00 0.11	273.75 273.86	C O A L. C O A L.		Br. Br.
					1.15 0.02 0.32	1.18 0.02 0.34	275.04 274.06 275.40	Jh. M.P. Sh. baked.	XV	
275.40	278.10	2.70	2.67	98.9	2.67	2.70	278.10	Sst. & Sh. Intercalated.		Fr.
278.10	278.60	0.50	0.50	100.0	0.50	0.50	278.60	-do-		
278.60	281.65	3.05	3.05	100.0	0.09	0.09	278.69	-do-		
281.65	284.65	3.00	2.98	99.3	2.96	2.96	281.65	Grit.		
284.65	285.15	0.50	0.50	100.0	2.98	3.00	284.65	-do-		
285.15	288.20	3.05	3.03	99.3	0.50	0.50	285.15	-do-		
					1.50	1.52	286.67	-do-		
					0.33	0.33	287.00	Sh.		
					0.45	0.45	287.45	Sh. with C. Streaks.		

1	2	3	4	5	6	7	8	9	10	11
238.20	291.30	3.10	3.10	100.0	2.48	2.48	290.68	Sst. & Sh. Intercalated.		
					0.26	0.26	290.94	Sst. Mgd.		
291.30	294.35	3.05	3.05	100.0	0.36	0.36	291.30	Sst. & Sh. Intercalated.		
					0.91	0.91	292.21	-do-		
294.35	297.20	2.85	2.72	95.1	2.14	2.14	294.35	Grit.		Fr.
					1.76	1.85	296.20	-do-		
					0.20	0.21	296.41	Sst. & Sh. Intercalated.		
					0.11	0.12	296.53	Sst. Cgd.		
					0.40	0.42	296.95	C O A L.		
					0.24	0.25	297.20	Sst. & Sh. Intercalated.		
297.20	299.95	2.75	2.61	94.9	0.25	0.26	297.46	-do-		
					0.41	0.44	297.90	Sst. Cgd.		
					0.03	0.03	297.93	M. P.		
					0.50	0.52	298.45	J. H.		Local
					0.35	0.36	298.81	M. M.		
					0.05	0.05	298.86	J. H.		
					0.59	0.62	299.48	Sst. Mgd.		
					0.23	0.25	299.73	J. H. + M. P.		
299.95	301.50	1.55	1.54	99.4	0.20	0.22	299.95	M. P.		XIV
					1.41	1.42	301.37	M. P.		
					0.13	0.13	301.50	J. H. + M. P.		

1	2	3	4	5	6	7	8	9	10	11
301.50	303.60	2.10	2.03	96.7	0.25	0.25	301.75	J.H.	XIV	
					0.43	0.44	302.19	Sh. baked.		
					0.07	0.07	302.26	J.H.		
					0.36	0.36	302.62	Sh. with C. Streaks.		
					0.92	0.98	303.60	Sst. Mgd.		
303.60	306.65	3.05	3.04	99.7	0.89	0.39	304.49	Sst. & Sh. Intercalated.		
					0.18	0.18	304.67	Sst. Cgd.		
					0.34	0.34	305.01	Sst. & Sh. Intercalated.		
					1.63	1.64	306.65	Grit.		
306.65	307.90	1.25	1.18	94.4	1.18	1.25	307.90	-do- with quartz pebble.		
307.90	309.40	1.50	1.47	98.0	1.47	1.50	309.40	-do-		
309.40	311.50	2.10	2.10	100.0	2.10	2.10	311.50	-do-		
311.50	312.90	1.40	1.40	100.0	1.40	1.40	312.90	-do-		
312.90	315.90	3.00	3.00	100.0	3.00	3.00	315.90	-do-		
315.90	318.95	3.05	3.05	100.0	3.05	3.05	318.95	Sst. Cgd.		
318.95	321.55	2.60	2.51	96.5	0.39	0.40	319.35	-do-		
					0.15	0.16	319.51	C O A L.		
					0.21	0.22	319.73	Sh. with C. Streaks.		
					0.09	0.09	319.82	C O A L.		
					0.41	0.42	320.24	Sh. with C. Streaks.		

1	2	3	4	5	6	7	8	9	10	11
321.55	323.40	1.85	1.83	98.9	1.19	1.04	321.55	Sh, aren.		
323.40	324.90	1.50	1.50	100.0	1.83	1.85	323.40	Sst. & Sh. Intercalated.		
324.90	325.90	1.00	0.89	89.0	1.50	1.50	324.90	Sst. argill.		
					0.29	0.32	325.22	-do-		
325.90	328.40	2.50	2.50	100.0	0.60	0.68	325.90	Sst. Cgd.		
328.40	331.45	3.05	3.05	100.0	2.50	2.50	328.40	-do-		
331.45	333.75	2.30	2.26	98.3	3.05	3.05	331.45	-do-		
					1.21	1.23	332.45	-do-		
333.75	334.45	0.70	0.70	100.0	1.05	1.07	333.75	Sst. & Sh. Intercalated.		
334.45	337.50	3.05	3.05	100.0	0.70	0.70	334.45	-do-		
337.50	339.10	1.60	1.60	100.0	3.05	3.05	337.50	-do-		
					0.46	0.46	337.96	-do-		
339.10	340.55	1.45	1.44	99.3	1.14	1.14	339.10	Sst. Mgd.		
					0.98	0.99	341.09	-do-		
					0.26	0.26	340.35	Sh.		
340.55	343.65	3.10	3.10	100.0	0.20	0.20	340.55	Sst. & Sh. Intercalated.		
343.65	345.10	1.45	1.42	97.9	3.10	3.10	343.65	-do-		
					1.02	1.04	344.69	-do-		
					0.40	0.40	345.10	Sst. Mgd.		
345.10	345.80	0.70	0.70	100.0	0.70	0.70	345.80	-do-		
345.80	348.55	2.75	2.74	99.7	1.03	1.04	346.84	-do-		

1	2	3	4	5	6	7	8	9	10	11
348.55	349.50	0.95	0.93	97.9	0.30	0.30	347.14	Sst. & Sh. Intercalated.		Fr.
349.50	352.30	2.80	2.73	97.6	0.66	0.66	347.80	Sst. Mgd with Sh. Laminæ.		Fr.
					0.60	0.60	348.40	Sst. & Sh. Intercalated.		
					0.15	0.15	348.55	Sh.		
					0.93	0.95	349.50	Sh.		
					1.08	1.21	350.62	Sst. & Sh. Intercalated.		
					0.20	0.20	350.82	Sst. Mgd.		
					0.84	0.86	351.68	Sst. & Sh. Intercalated.		
					0.28	0.28	351.96	Sh.		
					0.33	0.34	352.30	Sst. argill.		
352.30	353.30	1.00	0.98	98.0	0.08	0.09	352.38	-do-		
					0.08	0.08	352.46	Sh, aren.		
					0.82	0.84	353.30	C O A L.		Fr.
353.30	355.30	2.00	1.84	92.0	0.17	0.18	353.48	Sh. with C. Bands.	XIII	Fr.
					1.59	1.73	355.21	C O A L.		
					0.08	0.09	355.30	Sh. with C. Streaks.		
355.30	356.00	0.70	0.70	100.0	0.70	0.70	356.00	Sst. & Sh. Intercalated.		
356.00	356.60	0.60	0.56	93.3	0.56	0.60	356.60	-do-		
356.60	357.10	0.50	0.50	100.0	0.50	0.50	357.10	-do-		

1	2	3	4	5	6	7	8	9	10	11
360.55	361.55	1.00	1.00	100.0	0.07	0.07	358.17	Sh.	Local (L=1)	
361.55	363.55	2.00	2.00	100.0	0.25	0.26	358.39	C O A L.		
363.55	366.60	3.05	3.05	100.0	1.54	1.60	359.99	Sst. & Sh. Intercalated.		
					0.53	0.56	360.55	Sst. Mgd.		
					0.80	0.80	361.35	Sst. Cgd with Sh. bands.		
					0.20	0.20	361.55	Sst. & Sh. Intercalated.		
					0.64	0.64	362.19	Sst. argill.		
					1.36	1.36	363.55	Sst. & Sh. Intercalated.		
					0.93	0.93	364.48	-do-		
					1.00	1.00	365.48	Sst. Mgd.		
					0.30	0.30	365.78	Sst. & Sh. Intercalated.		
					0.48	0.48	366.26	Sh.		
366.60	368.75	2.15	2.14	99.5	0.34	0.34	366.60	Sst. argill.		
					1.51	1.52	368.12	Sst. & Sh. Intercalated.		
368.75	369.45	0.70	0.66	94.3	0.63	0.63	368.75	Sst. Mgd.		
369.45	372.45	3.00	3.00	100.00	0.66	0.70	369.45	-do-		
372.45	375.35	2.90	2.90	100.0	3.00	3.00	372.45	-do-		
					0.94	0.94	373.39	Sst. Cgd.		
					0.52	0.52	373.91	Sst. & Sh. Intercalated with C Streak		
					0.10	0.10	374.01	Sst. Fgd.		
					0.30	0.30	374.31	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
375.35	378.35	3.00	2.95	98.3	0.50	0.50	374.81	Sst., Cgd.		
					0.54	0.54	375.35	Sst. & Sh. Intercalated.		
					0.50	0.51	375.86	Sst. & Sh. Intercalated.		
					0.17	0.17	376.03	Sh.		
					2.28	2.32	378.35	C O A L.		
378.35	379.25	0.90	0.87	96.7	0.87	0.90	379.25	C O A L.		
379.25	381.85	2.60	2.33	97.3	2.53	2.60	381.85	C O A L.		
381.85	384.50	2.65	2.56	96.6	0.56	0.58	382.43	C O A L.		
					2.00	2.07	384.50	Sst. & Sh. Intercalated.		
384.50	385.60	1.10	1.10	100.0	1.10	1.10	385.60	-do-		
385.60	388.45	2.85	2.82	98.9	1.16	1.18	386.78	-do-		
					1.66	1.67	388.45	Sst. Mgd.		
388.45	391.55	3.10	3.10	100.0	3.10	3.10	391.55	Sst. Cgd.		
391.55	393.15	1.60	1.53	95.6	1.53	1.60	393.15	Grit.		
393.15	394.75	1.60	1.60	100.0	1.09	1.09	394.24	-do-		
					0.51	0.51	394.75	Sst. Mgd.		
394.75	397.80	3.05	3.00	98.4	0.22	0.22	394.97	-do-		
					2.78	2.83	397.80	Grit.		
397.80	399.20	1.40	1.34	95.7	1.21	1.26	399.06	Grit.		
					0.13	0.14	399.20	Sh. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
400.80	402.40	1.60	1.60	100.0	0.54	0.54	401.34	Sst. & Sh. Intercalated.		
					0.72	0.72	402.06	Sst. Mgd.		
402.40	404.00	1.60	1.60	100.0	0.34	0.34	402.40	Sst. Cgd.		
404.00	405.85	1.85	1.81	97.8	1.60	1.60	404.00	Sst. Cgd to Sst. Mgd.		
					0.94	0.96	404.96	Sst. Cgd.		
					0.73	0.75	405.71	Gr. It.		
405.85	407.40	1.55	1.26	81.3	0.14	0.14	405.85	Sst. & Sh. Intercalated.		
					0.32	0.39	406.24	- do -		
					0.44	0.54	406.78	Sst. Cgd.		
407.40	409.80	2.40	2.34	97.5	0.50	0.62	407.40	Sst. Mgd with Sh. bands.		
					0.73	0.75	408.15	Sst. Mgd.		
409.80	412.80	3.00	3.00	100.0	1.61	1.65	409.80	Sst. & Sh. Intercalated.		
					0.22	0.22	410.02	Sh. with C. Bands.		
					1.28	1.28	411.30	Sh.		
					1.00	1.00	412.30	Sh, aren.		
412.80	413.55	0.75	0.75	100.0	0.50	0.50	412.80	Sh.		
					0.59	0.59	413.39	Sh, aren.		
					0.16	0.16	413.55	Sst. Fgd.		
413.55	414.85	1.30	1.26	96.9	0.15	0.15	413.70	Sst. Cgd.		
					0.35	0.36	414.06	Sh.		
					0.09	0.09	414.15	Sh.		
					0.23	0.24	414.39	C O A L.		

1	2	3	4	5	6	7	8	9	10	11
414.85	416.60	1.75	1.73	98.9	0.44	0.46	414.85	Sh.		
					0.81	0.83	415.68	Sh. with C. Streaks.		
					0.17	0.17	415.85	Sst. & Sh. Intercalated.		
					0.29	0.29	416.14	Sst. Cgd.		
					0.20	0.20	416.34	Sh.		
					0.12	0.12	416.46	Sst. Mgd. with Sh. bands.		
					0.14	0.14	416.60	Sh.		
416.60	417.60	1.00	1.00	100.0	1.00	1.00	417.60	Sh.		
417.60	419.80	2.20	2.20	100.0	2.20	2.20	419.80	-do-		
419.80	421.00	1.20	1.04	86.7	1.04	1.20	421.00	-do-		
421.00	422.20	1.20	1.20	100.0	1.20	1.20	422.20	-do-		
422.20	423.95	1.75	1.68	96.0	0.35	0.37	422.57	Sh. with C. Streaks.		Fr, Sl
					1.25	1.28	423.85	C O A L.		
					0.10	0.10	423.95	Sh. with C. Streaks.		
423.95	425.15	1.20	1.16	96.7	1.16	1.20	425.15	-do-		
425.15	427.00	1.85	1.85	100.0	1.85	1.85	427.00	C O A L.		VIIIc/IX/X
427.00	428.85	1.85	1.83	98.9	1.83	1.85	428.85	C O A L.		
428.85	430.10	1.25	1.20	96.0	1.20	1.25	430.10	C O A L.		Br.
430.10	431.65	1.55	1.54	99.4	0.52	0.52	430.62	C O A L.		Br.

1	2	3	4	5	6	7	8	9	10	11
432.15	435.25	3.10	3.10	100.0	3.10	3.10	435.25	Sst. & Sh. Intercalated.		
435.25	436.00	0.75	0.62	82.7	0.54	0.65	435.90	-do-		Fr, Sl.
436.00	438.15	2.15	2.10	97.7	0.03	0.10	436.00	Sh.		
					0.61	0.63	436.63	Sh with C. streaks.	VIII B	
					1.35	1.39	437.11	C O A L.		Fr, Br,
					0.14	0.14	438.15	Sh.		
438.15	441.20	3.05	2.83	92.8	0.95	1.02	439.17	Sst. argill.		
					1.21	0.23	439.40	S. C.		
					0.40	0.43	439.83	Sst. argill.		
					0.81	0.86	440.69	Sst. & Sh. Intercalated.		Vfr, Sl
					0.47	0.51	441.20	Sst. argill.		
441.20	444.30	3.10	3.08	99.4	0.05	0.05	441.25	-do-		
					2.24	2.26	443.51	Sst. Cgd.		
					0.79	0.79	444.30	Grit.		
444.30	446.15	1.85	1.85	100.0	1.85	1.85	446.15	-do-		
446.15	447.95	1.80	1.80	100.0	1.80	1.80	447.95	-do-		
447.95	450.00	2.05	2.05	100.0	2.05	2.05	450.00	-do-		
450.00	451.05	1.05	1.05	100.0	1.05	1.05	451.05	-do-		
451.05	454.15	3.10	3.10	100.0	1.81	1.81	452.86	-do-		
					0.40	0.40	453.26	Sst. & Sh. Intercalated.		
					0.89	0.89	454.15	Grit.		

1	2	3	4	5	6	7	8	9	10	11
454.15	457.00	2.85	2.82	98.9	2.82	2.85	457.00	Grlt.		
457.00	459.50	2.50	2.42	96.8	0.15	0.15	457.15	-do-		Fr.
					0.51	0.53	457.68	Sst. Cgd.		Fr.
					1.76	1.82	459.50	Sst. Mgđ.		Fr, Sl,
459.50	460.30	0.80	0.80	100.0	0.43	0.43	459.93	-do-		
					0.37	0.37	460.30	Sst. Cgd.		
460.30	463.00	2.70	2.65	98.2	2.65	2.70	463.00	-do-		Fr.
463.00	464.15	1.15	1.10	95.7	0.05	0.05	463.05	-do-		
					0.18	0.19	463.24	Sh.		Sl, Ps.
					0.08	0.08	463.32	C O A L.		
					0.79	0.83	464.15	Sh, aren.		
464.15	466.45	2.30	2.30	100.0	1.75	1.75	465.90	Sh.		Sl, Ps.
					0.05	0.05	465.95	C O A L.		
466.45	466.70	0.25	0.25	100.0	0.50	0.50	466.45	Sst. argill.		Fr, Sl,
466.70	467.30	0.60	0.59	98.3	0.25	0.25	466.70	Sst. & Sh. Intercalated.		Fr, Sl,
					0.14	0.14	466.84	-do-		
					0.45	0.46	467.30	Sst. Mgđ.		
467.30	469.10	1.80	1.71	95.0	0.46	0.48	467.78	-do-		
					0.21	0.22	468.00	Csh.		

1	2	3	4	5	6	7	8	9	10	11
469.10	471.00	1.90	1.90	100.0	0.81	0.85	469.10	C O A L.	VIII	Br.
					0.55	0.55	470.65	C O A L.		
					0.74	0.74	470.79	Sh. with C. streaks.		
					0.07	0.07	470.86	C O A L.		
					0.07	0.07	470.93	Sh. with C. streaks.		
471.00	472.45	1.45	1.45	100.0	0.07	0.07	471.00	C O A L.		
					1.10	1.10	472.10	Sh.		
					0.35	0.35	472.45	Sst. argill.		
472.45	475.55	3.10	3.10	100.0	1.80	1.80	474.25	-do-		
					0.70	0.70	474.95	Sst. Mgd.		
					0.60	0.60	475.55	Sst. Cgd.		
475.55	476.60	1.05	1.02	97.1	0.57	0.59	476.14	Grlt.		
					0.13	0.13	476.27	C O A L.		
					0.17	0.17	476.44	Csh.		
					0.15	0.16	476.60	C O A L.		
					0.10	0.10	476.70	C O A L.		
476.60	479.60	3.00	2.84	94.7	0.23	0.24	476.94	Sh.		
					0.40	0.42	477.36	C O A L.		
					0.45	0.47	477.83	Csh.		
					1.27	1.37	479.20	C O A L.		
					0.11	0.11	479.31	Sh.		

V/VI/VII

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1	2	3	4	5	6	7	8	9	10	11
479.60	481.10	1.50	1.39	92.7	0.10	0.10	479.41	Csh.		
					0.18	0.19	479.60	SC.		
					0.48	0.54	480.14	Sh.		
					0.32	0.34	480.48	C O A L.		
					0.40	0.43	480.91	S.C.		
					0.08	0.08	480.99	Csh.		
					0.11	0.11	481.10	C O A L.		
481.10	482.35	1.25	1.25	100.0	0.07	0.07	481.17	-dc-		
					0.20	0.20	481.37	Sh.		
					0.16	0.16	481.53	C O A L.		
					0.05	0.05	381.58	Sh.		
					0.33	0.33	481.91	C O A L.		
					0.13	0.13	482.04	Sh. with C. streaks.		
					0.31	0.31	482.35	C O A L.		
482.35	484.80	2.45	2.17	88.57	0.08	0.09	482.44	S.C.		
					1.24	1.42	483.06	Sh.		
					0.37	0.41	484.27	C O A L.		
					0.21	0.23	484.50	S.C.		
					0.27	0.30	484.80	C O A L.		
484.80	486.00	1.20	1.16	96.7	0.73	0.76	485.56	S.C.		

V/VI/VII

SL.

Fr, SL

Fr, SL

Fr, SL

1	2	3	4	5	6	7	8	9	10	11
486.00	487.20	1.20	1.20	100.0	1.15	1.15	487.15	C O A L.		Br, Sl.
487.20	488.35	1.15	1.09	94.8	0.05	0.05	487.20	Sh.		
488.35	489.40	1.05	0.98	93.3	0.46	0.48	487.68	Sh, aren.		
					0.63	0.67	488.35	C O A L.		Fr, Sl.
					0.30	0.33	488.68	C O A L.		Fr.
					0.12	0.12	488.80	C O A L.		
					0.16	0.17	488.97	C O A L.		
					0.40	0.43	489.40	Csh.		Fr, Sl.
489.40	490.40	1.00	0.93	93.0	0.57	0.62	490.02	Sh.		
490.40	491.30	0.90	0.88	97.8	0.36	0.38	490.40	C O A L.		Br.
					0.73	0.75	491.15	Sh.		Fr.
					0.10	0.10	491.25	C O A L.		
					0.05	0.05	491.30	Csh.		
491.30	493.30	2.00	1.93	96.5	0.47	0.48	491.78	Csh. with C. streaks.	V/Vl/VII	
					0.23	0.23	492.01	C O A L.		
493.30	495.20	1.90	1.89	99.5	1.23	1.27	493.30	Sh.		Fr, Sl
					0.75	0.76	494.06	-do-		Fr, Sl.
					0.22	0.22	494.28	Csh. with C. streaks.		
					0.31	0.31	494.59	S.C.		
					0.45	0.45	495.04	C O A L.		Fr.
					0.16	0.16	495.20	Sh.		

1	2	3	4	5	6	7	8	9	10	11
495.20	496.50	1.30	1.19	91.5	0.58	0.63	495.83	Sh.		Fr, sl,
					0.22	0.24	496.07	Sh. with C. Bands.		
					0.18	0.21	496.28	Csh.		
					0.08	0.08	496.36	C O A L.		
					0.13	0.14	496.50	Csh.		
496.50	498.30	1.80	1.68	93.3	0.25	0.26	496.76	C O A L.		
					0.11	0.11	496.87	Csh.		
					1.32	1.43	498.30	C O A L.		
498.30	499.60	1.30	1.29	99.2	0.72	0.73	499.03	C O A L.		
					0.57	0.57	499.60	Sh.		
499.60	501.40	1.80	1.80	100.0	0.37	0.37	499.97	Csh.		
					0.74	0.74	500.71	C O A L.		
					0.15	0.15	500.36	Sh.		
					0.54	0.54	501.40	C O A L.		
501.40	504.00	2.60	2.55	98.1	1.26	1.29	502.69	C O A L.		
					0.52	0.53	503.22	Csh.		
					0.21	0.21	503.43	C O A L.		
					0.07	0.07	503.50	Csh.		
					0.13	0.13	503.63	C O A L.		
					0.36	0.37	504.00	Sh, aren.		
504.00	506.35	2.35	2.35	100.0	0.15	0.15	504.15			

V/VI/VII sl.

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. MB-3.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
XVIII D	37.22	37.77	0.55	
XVIII C	50.38	52.47	2.09	
XVIII B	54.67	56.40	1.73	
XVIII A	62.25	64.26	2.01	
XVIII	67.41	69.27	1.86	
Local	78.45	79.05	0.60	
Local	79.78	80.20	0.50	
Local (L-8)	100.79	101.09	0.30	
Local (L-7)	110.56	111.45	0.89	
Local	123.82	124.63	0.81	
XVIII A	136.09	139.45	3.36	
XVIII	139.45	139.57	0.12	Jh. + M.P.
XVII	160.75	162.52	1.77	
Local	163.70	164.25	0.55	
XVII E	201.45	202.08	0.63	
XVII D	203.26	204.50	1.24	
XVII C	215.95	218.82	2.87	
XVII A/B	224.17	224.60	0.43	Jh. + M.P.
Local	224.60	227.31	2.71	
Local	229.47	230.16	0.69	
XVI	233.32	239.76	6.44	
XV	272.56	274.00	1.44	
Local	274.00	275.06	1.06	Jh. + M.P.
Local	297.90	298.86	0.96	
XIV	299.48	301.75	2.27	Jh. + M.P.
XIII	352.46	355.21	2.75	
Local (L-1)	358.13	358.39	0.26	
XI/XII	376.03	382.43	6.40	
VIII/X/X	422.57	430.62	8.05	
VIII B	436.63	438.01	1.38	
VIII	468.00	470.66	2.66	
V/VI/VII	476.14	503.63	27.49	

BOREHOLE NO. : MB - 9.

II/1095

Latitude : 19189.8636

H. L. of Collar : 189.561

Commenced on : 16.7.1979

Departure : 22133.8509

Depth drilled : 680.00 m.

Completed on : 25.9.1979

All dimensions in metres

From	R. U. N To	Thickness	RECOVERY		THICKNESS		Depth of Floor	LITHOLOGY	Seam Corre- lation.	Structura Features.
			Reco- vered.	Per- cent.	Reco- vered.	Extra- polated.				
1	2	3	4	5	6	7	8	9	10	11
0.00	3.50	3.50	-	-	-	-	3.50	Soil.		
3.50	6.10	2.60	-	-	-	-	6.10	- do -	Weathered zone	
6.10	7.60	1.50	1.25	83.3	1.25	1.50	7.60	Sst. Mgd.		
7.60	9.60	2.00	0.56	28.0	0.56	2.00	9.60	Sst. Cgd.		
9.60	11.60	2.00	2.00	100.0	0.11	0.11	9.71	Sst. & Sh. Intercalated.		
					0.23	0.23	9.94	Sst. Mgd.		
					0.09	0.09	10.03	Sh.		
					0.10	0.10	10.13	Sst. Mgd.		
					0.18	0.18	10.31	Sh.		
					0.08	0.08	10.39	Sst. & Sh. Intercalated.		
					0.20	0.20	10.59	Sh.		
					0.06	0.06	10.65	Sst. & Sh. Intercalated.		
					0.95	0.95	11.60	Sh.		
11.60	12.80	1.20	0.96	80.0	0.30	0.37	11.97	Sst. Mgd.		
					0.17	0.30	12.17	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
12.80	13.80	1.00	0.99	99.0	0.53	0.54	13.34	Sst. & Sh. Intercalated.		
13.80	16.80	3.00	2.82	94.0	0.46	0.46	13.80	Sst. Mgđ.		
16.80	19.50	2.70	2.15	79.6	1.55	1.64	15.44	-do-		
19.50	22.60	3.10	3.07	99.0	1.29	1.36	16.80	Sst. & Sh. Intercalated.		
22.60	25.70	3.10	2.58	83.2	1.95	2.44	19.24	-do-		
					0.20	0.26	19.50	Sst. Ggd.		
					0.31	0.31	19.81	-do-		
					2.00	2.03	21.24	Sst. & Sh. Intercalated.		
					0.76	0.76	22.60	Sst. Mgđ.		
					0.15	0.18	22.78	Sst. & Sh. Intercalated.		
					0.90	1.08	23.86	Grit.		
					0.15	0.18	24.04	Sst. & Sh. Intercalated.		
					0.90	1.08	25.12	Grit.		
					0.24	0.25	25.47	Sst. & Sh. Intercalated.		
25.70	28.80	3.10	3.07	99.0	0.19	0.23	25.70	Sh.		
					0.13	0.13	25.83	Sh, aren.		
					0.31	0.31	26.14	Sst. Mgđ.		
					0.23	0.23	26.37	Sh.		
					2.10	2.13	28.50	Sst. & Sh. Intercalated.		
28.80	31.05	2.25	2.08	92.4	0.30	0.30	28.80	Sst. Mgđ.		
					0.27	0.29	29.09	-do-		

Fr, Vir

1	2	3	4	5	6	7	8	9	10	11
31.05	32.05	1.00	0.97	97.0	0.97	1.00	32.05	Sst. & Sh. Intercalated.		
32.05	34.05	2.00	1.90	95.0	1.90	2.00	34.05	Sh.		
34.05	37.15	3.10	3.05	98.4	0.93	0.94	34.99	Sst. Cgd.		
					0.21	0.21	35.20	-do-		
					1.91	1.95	37.15	Sh. with aren bands.		
37.15	37.95	0.80	0.77	96.3	0.77	0.80	37.95	Sst. & Sh. Intercalated.		
37.95	41.10	3.15	3.10	98.4	2.27	2.30	40.25	Sst. Cgd to Grit.		
					0.83	0.85	41.10	-do-		
41.10	42.60	1.50	1.49	93.3	0.40	0.40	41.50	Sst. & Sh. Intercalated.		
					0.95	0.96	42.46	Sh.		
					0.14	0.14	42.60	Sst. & Sh. Intercalated.		
42.60	44.10	1.50	1.46	97.3	0.10	0.10	42.70	Sh, aren.		
					1.36	1.40	44.10	-do-		
					0.60	0.60	44.70	Sst. & Sh. Intercalated.		
44.10	47.10	3.00	3.00	100.0	0.20	0.20	44.90	-do-		
					1.30	1.30	46.20	Sst. Mgd.		
					0.28	0.28	46.48	Sst. & Sh. Intercalated.		
								Sst. Mgd.		

Fr.

1	2	3	4	5	6	7	8	9	10	11
47.10	49.10	2.00	1.92	96.0	0.12	0.12	47.10	Sh.		
49.10	50.30	1.20	1.18	98.3	0.85	1.13	48.23	Sst. Mgd with Sh. bands.		
50.30	53.40	3.10	2.98	96.1	1.18	1.20	49.10	Sst. Cgd.		
					0.21	0.22	50.30	-do-		
					0.10	0.10	50.52	Sh.		
					0.11	0.11	50.62	Sst. Cgd.		
					0.26	0.27	50.73	Sst. & Sh. Intercalated.		
					0.39	0.41	51.00	Sst. Pgd.		
					1.91	1.99	51.41	Sst. & Sh. Intercalated.		
53.40	56.50	3.10	3.04	98.1	0.20	0.20	53.40	Sst. Mgd.		
					0.61	0.62	53.60	-do-		
					2.23	2.28	54.22	Sst. & Sh. Intercalated.		
56.50	59.60	3.10	3.09	99.7	2.55	2.56	56.50	Sst. & Sh. Intercalated.		
					0.54	0.54	59.06	-do-		
59.60	62.65	3.05	3.04	99.7	0.26	0.26	59.60	Sh, aren.		
					0.26	0.26	59.86	-do-		
					0.26	0.26	60.12	Sst. & Sh. Intercalated.		
					0.67	0.68	60.80	Sst. Mgd.		
					1.57	1.57	62.37	Sst. & Sh. Intercalated.		
					0.28	0.28	62.65	Sh.		
62.65	65.70	3.05	3.05	100.0	1.15	1.15	63.80	Sh, aren.		

1	2	3	4	5	6	7	8	9	10	11
65.70	67.30	1.60	1.50	98.8	1.16	1.16	64.96	Sh.		
					0.74	0.74	65.70	Sst. Cgd.		
					0.81	0.82	66.52	Sst. & Sh. Intercalated.		
					0.77	0.78	67.30	Sst. Mgd		
67.30	68.30	1.00	0.97	97.0	0.43	0.44	67.74	-do-		
					0.54	0.56	68.30	Sst. & Sh. Intercalated.		
68.30	71.30	3.00	2.38	79.3	2.38	3.00	71.30	-do-		
71.30	74.40	3.10	3.	98.4	3.05	3.10	74.40	Sh.		Fr, Sl.
74.40	77.50	3.10	3.10	100.0	0.24	0.24	74.64	-do-		
					2.86	2.86	77.50	Sst. Cgd.		Fr.
77.50	80.80	3.30	2.99	90.6	0.74	0.81	78.31	-do-		
					0.55	0.60	78.91	Sst. & Sh. Intercalated.		
					1.70	1.89	80.80	Sst. Cgd.		
80.80	83.50	2.70	2.70	100.0	1.85	1.85	82.65	-do-		
					0.85	0.85	83.50	Sst. & Sh. Intercalated.		
83.50	86.55	3.05	3.05	100.0	3.05	3.05	86.55	-do-		
86.55	89.85	3.30	3.00	90.9	0.94	1.03	87.58	Sst. Cgd.		
					1.37	1.51	89.09	Sst. Mgd.		
89.85	92.80	2.95	2.95	100.0	0.69	0.76	89.85	Sst. & Sh. Intercalated.		
					0.90	0.90	90.75	-do-		

1	2	3	4	5	6	7	8	9	10	11
92.80	95.75	2.95	2.95	100.0	0.28	0.28	91.78	Sst. & Sh. Intercalated.		
95.75	98.80	3.05	3.03	99.3	0.21	0.21	91.99	Sst. Mgd.		
98.80	101.70	2.40	2.32	96.7	0.81	0.81	92.80	Sst. Cgd.		
					1.35	1.35	94.15	-do-		
					1.60	1.60	95.75	Sst. Mgd.		
					3.03	3.05	98.80	Sst. & Sh. Intercalated.		
					1.02	1.06	99.86	-do-		
101.20	104.30	3.10	2.99	96.5	1.30	1.34	101.20	Sh.		
104.30	107.30	3.00	2.96	98.7	2.99	3.10	104.30	-do-		
107.30	110.40	3.10	3.10	100.0	2.96	3.00	107.30	-do-		
					0.72	0.72	108.02	-do-		
110.40	113.50	3.10	3.07	99.0.	2.38.	2.38	110.40	Sst. & Sh. Intercalated.		
					1.55	1.57	111.97	-do-		
					0.56	0.56	112.53	Sst. Mgd with Sh. bands.		
113.50	116.60	3.10	3.01	97.1	0.96	0.97	113.50	Grit.		
					0.76	0.78	114.28	-do-		
					1.45	1.50	115.78	Sst. & Sh. Intercalated.		
					0.80	0.82	116.60	Sst. Cgd.		
116.60	119.70	3.10	3.05	98.4	2.43	2.48	119.08	-do-		
					0.30	0.38	119.46	Sst. Mgd with Sh. bands.		
					0.24	0.24	119.79	Sst. argill.		

Sl, P

1	2	3	4	5	6	7	8	9	10	11
119.70	122.80	3.10	3.10	100.0	0.72	0.72	120.42	Sst. argill.		
					0.90	0.90	121.33	Sst. & Sh. Intercalated.		
					1.48	1.48	122.80	Grit.		
122.80	125.30	3.00	2.93	97.7	0.72	0.73	123.53	Sst. & Sh. Intercalated.		
					1.13	1.16	124.69	Sh.		
					1.08	1.11	125.80	Sst. & Sh. Intercalated.		
125.80	128.15	2.35	2.35	100.0	2.35	2.35	128.15	Sst. Cgd to Grit.		
128.15	131.25	3.10	3.05	98.4	3.05	3.10	131.25	Grit.		
131.25	134.30	3.05	3.05	100.0	3.05	3.05	134.30	Sst. Cgd.		
134.30	135.55	1.25	1.25	100.0	1.25	1.25	135.55	-do-		
135.55	138.55	3.00	2.93	97.7	0.50	0.51	136.06	-do-		
					0.36	0.37	136.43	Sst. & Sh. Intercalated.		
					0.43	0.44	136.87	Sst. Mgd. with Sh. Bands.		
					0.93	0.95	137.82	Sst. argill.		
					0.71	0.73	138.55	Sst. Mgd.		
138.55	141.45	2.90	2.84	97.9	0.21	0.21	138.76	-do-		
					1.07	1.10	139.86	Sst. & Sh. Intercalated.		
					1.56	1.59	141.45	Sst. Mgd with Sh. Bands.		
141.45	144.55	3.10	3.10	100.0	1.73	1.73	143.18	Sst. & Sh. Intercalated.		
					0.27	0.27	143.45	Sst. Mgd.		

Br, Fr.

1	2	3	4	5	6	7	8	9	10	11
144.55	147.55	3.00	2.99	99.7	0.72	0.72	144.55	Sh.		
					0.17	0.17	144.72	Sst. & Sh. Intercalated.		
					0.40	0.40	145.12	Sst. argill.		
					0.45	0.45	145.57	Sst. Mg.		
					1.50	1.51	147.08	Sst. & Sh. Intercalated.		
					0.33	0.33	147.41	Sst. argill.		
					0.14	0.14	147.55	Sst. Ggd.		
147.55	150.65	3.10	3.00	96.8	0.70	0.72	148.27	Sst. argill.		
					0.80	0.82	149.09	Sst. & Sh. Intercalated.		
					0.70	0.72	149.81	Sh.		
					0.62	0.64	150.45	Grit.		
					0.18	0.20	150.65	Sst. Mg.		
150.65	153.30	2.65	2.62	98.9	1.12	1.13	151.78	Sst. & Sh. Intercalated.		
					1.28	1.30	153.08	Sst. Mg. with Sh. Bands.		
					0.10	0.10	153.18	C O A L.		
					0.12	0.12	153.30	Sh.		
153.30	156.40	3.10	3.09	99.7	1.75	1.76	155.06	Sst. argill.		
					0.31	0.31	155.37	Sst. & Sh. Intercalated.		
					1.03	1.03	156.40	Sst. Ggd to Grit.		
156.40	159.50	3.10	3.10	100.0	2.43	2.43	158.83	Sh.		
					0.26	0.26	159.09	Sh. with C. Streaks.		

1	2	3	4	5	6	7	8	9	10	11
159.50	162.60	3.10	3.03	97.7	0.17	0.17	159.26	Sst. Cgd.		
					0.24	0.24	159.50	C O A L.		
					0.23	0.23	159.73	Sh, aren.		
					0.43	0.43	160.16	Sst. Cgd.		
					0.32	0.32	160.48	Sst. Mgd with Sh. Bands.		
					1.34	1.34	161.82	Sh, aren.		
					0.27	0.30	162.12	C O A L.		
					0.10	0.11	162.23	Sst. Mgd.		
					0.34	0.37	162.60	C O A L.		
162.60	165.75	3.15	3.15	100.0	0.27	0.27	162.87	C O A L.		
					0.71	0.71	163.58	Sst. Cgd with Sh. Bands.		
					0.72	0.72	164.30	Grit.		
					0.67	0.67	164.47	Sst. & Sh. Intercalated.		
					0.78	0.78	165.75	Sst. Cgd.		
165.75	167.75	2.00	2.00	100.0	0.44	0.44	166.19	-do-		
					1.21	1.21	167.40	Sst. & Sh. Intercalated.		
					0.35	0.35	167.75	Sh.		
167.75	169.05	1.30	1.26	96.9	1.26	1.30	169.05	Sst. & Sh. Intercalated.		
169.05	172.05	3.00	2.75	91.7	0.07	0.08	169.13	-do-		
					0.71	0.77	169.90	Sh.		

Br:

Local

Fr.

1	2	3	4	5	6	7	8	9	10	11
172.05	175.15	3.10	3.07	99.0	0.23	0.25	170.52	Sh, aren.		
					0.45	0.49	171.01	Sst. & Sh. Intercalated.		
					0.95	1.04	172.05	Sh, areb.		
					0.11	0.11	172.16	Sh.		
					0.73	0.74	172.90	Sst. Cgd.		
					0.43	0.43	173.33	Sh.		
					0.07	0.07	173.40	C O A L.		
					0.22	0.22	173.62	Sh.		
175.15	178.25	3.10	3.05	98.4	1.51	1.53	175.15	Sst. Cgd.		
178.25	181.35	3.10	3.10	100.0	3.05	3.10	178.25	Grit.		
					1.62	1.62	179.87	-do-		
					0.54	0.54	180.41	Sst. & Sh. Intercalated.		
181.35	184.40	3.05	3.05	100.0	0.94	0.94	181.35	Sst. Mgd.		
					1.30	1.30	182.65	Sst. Mgd.		
184.40	187.40	3.00	3.00	100.0	1.75	1.75	184.40	Sst. & Sh. Intercalated.		
					0.94	0.94	185.34	-do-		
					0.41	0.41	185.75	Sh.		
					0.26	0.26	186.01	C O A L.		
					0.74	0.74	186.75	Sst. & Sh. Intercalated.		
187.40	190.40	3.00	1.37	45.7	0.65	0.65	187.40	Sh.		
					1.30	2.34	190.24	Sh.		

1	2	3	4	5	6	7	8	9	10	11
190.40	193.50	3.10	2.85	91.9	0.07	0.16	190.40	C O A L.		
					0.15	0.16	190.56	C O A L.		
					0.14	0.15	190.71	Sh.		
					0.34	0.39	191.10	Sst. & Sh. Intercalated.		
					0.47	0.51	191.61	Sh. with C. Streaks.		
					0.26	0.28	191.89	Sst. & Sh. Intercalated.		
					0.31	0.33	192.22	C O A L.		
					1.18	1.28	193.50	Sst. argill.		
193.50	196.60	3.10	3.05	98.4	3.05	3.10	196.60	Sst. Cgd to Grit with Sh. Bands.		
196.60	199.60	3.00	2.95	98.3	2.95	3.00	199.60	Sst. Cgd to Grit.		
199.60	202.65	3.05	3.04	99.7	0.77	0.77	200.37	Sst. Cgd.		
					0.07	0.07	200.44	Sh.		
					0.12	0.12	200.56	C O A L.		
					0.68	0.68	201.24	Sst. argill.		
					1.40	1.41	202.65	Sst. Cgd.		
202.65	205.70	3.05	3.05	100.0	1.23	1.23	203.88	Grit,		
					1.22	1.22	205.10	Sh.		
					0.60	0.60	205.70	Sst. argill.		
205.70	208.30	2.60	2.52	96.9	1.06	1.10	206.80	-do-		
					0.10	0.10	206.90	C O A L.		

1	2	3	4	5	6	7	8	9	10	11
208.30	211.40	3.10	3.09	99.7	0.24	0.24	208.30	Sst. & Sh. Intercalated.		
					0.21	0.21	208.51	Sst. & Sh. Intercalated.		
					0.29	0.29	208.80	Grit.		
					0.24	0.24	209.04	Sst. argill.		
					0.50	0.50	209.54	Sst. Mgđ.		
					0.58	0.58	210.12	Sh.		
					1.10	1.11	211.23	Sst. Mgđ.		
					0.17	0.17	211.40	Sst. & Sh. Intercalated.		
211.40	214.50	3.10	3.05	98.4	1.30	1.33	212.73	- do -		
					0.80	0.81	213.54	Sst. Mgđ.		
					0.72	0.73	214.27	Sst. & Sh. Intercalated.		
					0.23	0.23	214.50	Sh.		
214.50	217.60	3.10	3.10	100.0	0.18	0.18	214.68	Sh.		
					0.13	0.13	214.81	Sst. Fgđ.		
					0.18	0.18	214.99	C O A L.		
					0.04	0.04	215.03	Sh.		
					0.07	0.07	215.10	C O A L.		
					0.14	0.14	215.24	Sh.		
					0.52	0.52	215.76	Sst. argill.		
					0.57	0.57	216.33	Sst. Mgđ.		
					0.38	0.38	216.71	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
217.60	220.70	3.10	1.95	62.9	0.51	0.51	217.22	Sst. argill.		
					0.38	0.38	217.60	Sst. & Sh. Intercalated.		
					0.43	0.68	218.28	-do-		
					0.49	0.78	219.06	Sst. argill.		
					0.30	0.48	219.54	Sst. & Sh. Intercalated.		
					0.24	0.38	219.92	Sh.		
					0.34	0.54	220.46	Sst. & Sh. Intercalated.		
					0.15	0.24	220.70	Sh.		
220.70	222.85	2.15	2.02	93.5	2.02	2.15	222.85	Sh.		
222.85	224.00	1.15	1.12	74.7	1.12	1.15	224.00	-do-		
224.00	227.00	3.00	2.95	93.3	0.20	0.20	224.20	-do-		
					0.86	0.87	225.07	Sst. & Sh. Intercalated.		
					1.13	1.16	226.23	Sst. Mgd.		
					0.76	0.97	227.00	Sh.		
227.00	229.70	2.70	2.70	100.0	0.65	0.65	227.65	-do-		
					0.64	0.64	228.29	C O A L.	Local	gr.
					0.27	0.27	228.56	Sh.		
					0.40	0.40	228.96	Sst. argill.		
					0.41	0.41	229.37	Sst. & Sh. Intercalated.		
					0.33	0.33	229.70	Sst. Fgd with Sh. Bands.		

1	2	3	4	5	6	7	8	9	10	11
232.75	235.85	3.10	3.09	99.7	2.54 1.30 0.34	2.61 1.31 0.34	232.75 234.06 234.40	Sst. & Sh. Intercalated. Sst. & Sh. Intercalated. Sh.		
					0.90 0.35 0.20	0.91 0.34 0.20	235.31 235.65 235.85	Sst. & Sh. Intercalated. Sst. argill. Sst. Mgđ.		
235.35	238.25	2.40	2.30	95.8	1.17 0.12 0.23	1.23 0.12 0.24	237.08 237.42 237.44	Sst. & Sh. Intercalated. Sh. Sst. Mgđ.		
238.25	239.55	1.30	0.79	60.8	0.78 0.28 0.57	0.81 0.48 0.87	238.25 238.77 239.55	Sst. & Sh. Intercalated. Sst. & Sh. Intercalated. Sst. Mgđ.		
239.55	242.55	3.00	3.00	100.0	2.71 0.29 0.16	2.71 0.29 0.16	242.26 242.55 242.71	Sst. & Sh. Intercalated. Sh. -do-		
242.55	245.55	3.00	2.93	97.7	1.00 0.29 1.48	1.03 0.30 1.51	243.74 244.04 245.55	Sst. argill. Sst. & Sh. Intercalated. Grit.		
245.55	248.55	3.00	3.00	100.0	3.00	3.00	248.55	-do-		
248.55	251.55	3.00	3.00	100.0	1.34 1.66	1.34 1.66	249.89 251.55	Sst. & Sh. Intercalated. Sst. Mgđ.		

1	2	3	4	5	6	7	8	9	10	11
251.55	252.05	0.50	0.37	74.0	0.14	0.18	251.73	Sst. Mgd.		
					0.23	0.32	252.05	Sh.		
252.05	254.65	2.60	2.60	100.0	0.19	0.19	252.24	-do-		
					0.07	0.07	252.31	COAL with Sh. Bands.		
					1.77	1.77	254.08	Sst. & Sh. Intercalated.		
					0.57	0.57	254.65	Sh.		
254.65	257.65	3.00	3.00	100.0	0.12	0.12	254.77	C O A L.		
					2.88	2.88	257.65	Sst. argill.		
257.65	259.30	1.65	1.65	100.0	1.24	1.24	258.89	-do-		
					0.41	0.41	259.30	Sst. & Sh. Intercalated.		
259.30	262.35	3.05	3.02	99.0	0.37	0.88	260.18	-do-		
					0.48	0.48	260.66	Sst. Mgd. with Sh. laminae.		
					1.67	1.69	262.35	Grit.		
262.35	263.35	1.00	0.59	59.0	0.59	1.00	263.35	Sh.		
263.35	265.35	2.10	2.10	100.0	2.10	2.10	265.45	Grit.		
265.45	267.55	2.10	2.10	100.0	2.10	2.10	267.55	-do-		
267.55	269.75	2.20	2.11	95.9	1.93	2.00	269.55	-do-		
					0.18	0.20	269.75	Sh.		
269.75	272.85	3.10	1.99	64.2	0.17	0.18	269.93	Sh. with C. Bands.		
					0.32	0.33	270.26	C O A L.		

1	2	3	4	5	6	7	8	9	10	11
272.85	275.85	3.00	3.99	99.7	0.42	0.44	270.92	Sh. with C. streaks.		
					0.23	0.24	271.16	Sh. aren.		
275.85	278.95	3.10	3.10	100.0	1.64	1.69	272.85	Sst. & Sh. Intercalated.		
					2.67	2.68	275.53	-do-		
					0.32	0.32	275.85	Sst. Mgd.		
					0.59	0.50	276.44	-do-		
					0.28	0.28	276.72	C O A L.		
					0.35	0.35	277.10	Sst. Mgd.		
					0.61	0.61	277.71	Sst. & Sh. Intercalated.		
278.95	281.00	2.05	1.98	96.58	1.24	1.24	278.95	Sst. Mgd.		
					0.31	0.32	279.27	-do-		
					0.35	0.36	279.67	Sst. & Sh. Intercalated.		
					0.30	0.31	279.94	Sst. Mgd.		
					0.57	0.59	280.53	Sst. & Sh. Intercalated.		
					0.31	0.32	280.85	Sst. Mgd.		
					0.14	0.15	281.00	Sst. & Sh. Intercalated.		
281.00	282.00	1.00	1.00	100.0	0.55	0.55	281.55	-do-		
					0.23	0.23	281.78	Sst. Mgd.		
282.00	285.05	3.05	3.05	100.0	0.22	0.22	282.00	Sst. & Sh. Intercalated.		
285.05	288.05	3.00	2.94	98.0	3.05	3.05	285.05	Sst. Mgd. with Sh. laminae.		
					0.46	0.47	285.52	-do-		

Vfr.

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1	2	3	4	5	6	7	8	9	10	11
288.05	291.10	3.05	3.00	98.4	2.48	2.53	288.05	Sst. & Sh. Intercalated.		
					2.00	2.04	290.09	-do-		
291.10	294.10	3.00	2.49	98.0	1.00	1.01	291.10	CSh.		
					1.31	1.58	292.68	-do-		
					0.27	0.33	293.01	C O A L. Pyritic.		
					0.40	0.48	293.49	Jhama.		
					0.26	0.31	293.80	M. P.		
					0.25	0.30	294.10	J.H.		
294.10	296.90	2.80	2.80	100.0	1.06	1.06	295.16	J.H.		
					0.33	0.33	295.49	Sh, aren.		
					0.73	0.73	296.22	Sst. & Sh. Intercalated.		
					0.26	0.26	296.48	Sst. Mgd.		
					0.26	0.26	296.74	Sst. & Sh. Intercalated.		
					0.16	0.16	296.90	CSh.		
296.90	300.00	3.10	3.10	100.0	0.19	0.19	297.09	Sh.		
					2.33	2.33	299.42	C O A L.		
					0.38	0.38	299.80	Sh, aren.		
					0.20	0.20	300.00	Sst. & Sh. Intercalated.		
300.00	303.00	3.00	2.96	98.7	1.24	1.26	301.26	Sst. Mgd.		
					1.18	1.20	302.46	Sst. & Sh. Intercalated.		

XVIII C

XVIII B

1	2	3	4	5	6	7	8	9	10	11
303.00	305.00	2.00	1.99	99.5	0.06 1.92	0.06 1.93	303.00 304.93	sh, aren. Csh.		Sl.
305.00	308.10	3.10	3.06	98.7	0.07 0.51	0.07 0.51	305.00 305.51	S.C. sh. with C. Streaks.	XVIII	
308.10	309.20	1.10	1.10	100.0	2.41 0.14	2.45 0.14	307.96 308.10	C O A L. sh. with C. Streaks.		
309.20	312.30	3.10	3.10	100.0	0.33 0.72	0.38 0.72	308.48 309.20	-do- Sst. & sh. Intercalated.		
312.30	315.15	2.85	2.85	100.0	0.83 2.27	0.83 2.27	310.03 312.30	-do- Sst. Mgd.		
315.15	318.20	3.05	3.03	99.3	2.85 3.03	2.85 3.05	315.15 318.20	Sst. Cgd. to Grit. Grit.		
318.20	320.20	2.00	2.00	100.0	3.03 2.00	3.05 2.00	320.20	-do-		
320.20	323.25	3.05	3.05	100.0	2.00 3.05	2.00 3.05	323.25	-do-		
323.25	325.75	2.50	2.43	97.2	3.05 2.43	3.05 2.50	325.75	-do-		
325.75	327.75	2.00	2.00	100.0	2.43 0.90	2.50 0.90	326.65	-do-		
327.75	230.75	3.00	2.95	98.3	0.40 0.70	0.40 0.70	327.05 327.75	Sh. with C. Streaks. C O A L.	XVIII	Br.
330.75	333.85	3.10	3.10	100.0	2.07 0.83	2.11 0.89	329.86 330.75	C O A L. Sst. argill.		Br.
					0.13	0.13	330.88	Sh. with C. Streaks.		

1	2	3	4	5	6	7	8	9	10	11
333.85	336.90	3.05	3.03	99.3	2.97	2.97	333.85	Sst. & Sh. Intercalated.		
					0.28	0.28	334.13	-do-		
					0.36	0.36	334.49	C O A L.		
					0.10	0.10	334.59	Sh.		
					1.83	1.85	336.44	C O A L.		
					0.24	0.24	336.68	Sh.		
					0.22	0.22	336.90	Sst. & Sh. Intercalated.		
336.90	337.90	1.00	1.00	100.0	1.00	1.00	337.90	Sst. Mgd.		
337.90	340.10	2.20	2.15	97.7	0.04	0.04	337.94	C O A L.		
					0.56	0.57	338.51	Sst. Mgd.		
					0.89	0.91	339.42	Sst. & Sh. Intercalated.		
					0.36	0.37	339.79	C O A L.		
					0.30	0.31	340.10	Sh. with C. Streaks.		
340.10	343.10	3.00	2.93	97.7	1.15	1.17	341.27	Sh. with aren Bands.		
					0.25	0.28	341.55	Sst. & Sh. Intercalated.		
					0.18	0.18	341.73	Sst. Mgd.		
					0.09	0.09	341.82	Sh.		
					0.77	0.78	342.60	Sst. Mgd.		
					0.49	0.50	343.10	Sst. & Sh. Intercalated.		

Local(L-5)

1	2	3	4	5	6	7	8	9	10	11
346.20	347.50	1.30	1.30	100.0	0.80	0.82	346.20	Sst. & Sh. Intercalated.		
347.50	350.50	3.00	2.94	98.0	1.30	1.30	347.50	-do-		
					2.40	2.46	349.96	-do-		
					0.27	0.27	350.23	Csh.		
					0.18	0.18	350.41	S.C.		
					0.09	0.09	350.50	Sh.		
350.50	352.50	2.00	1.92	96.0	1.92	2.00	352.50	Sh. with Aren Bands.		
352.50	355.00	2.50	2.49	99.6	2.49	2.50	355.00	Sh. aren.		
355.00	357.85	2.85	2.77	97.2	0.48	0.49	355.49	-do-		
					0.85	0.87	356.36	Sst. Argill.		
					0.17	0.17	356.53	C O A L.		
					0.08	0.08	356.61	Sh.		
					0.40	0.41	357.02	C O A L.		
					0.20	0.21	357.23	Sh.		
357.85	360.85	3.00	3.00	100.0	0.59	0.62	357.85	Sst. & Sh. Intercalated.		
360.85	363.90	3.05	3.05	100.0	3.00	3.00	360.85	-do-		
					0.18	0.18	361.03	C O A L.		
					1.61	1.61	362.64	Sh.		
					0.10	0.10	362.74	C O A L.		
					0.26	0.26	363.00	Sh.		
					0.63	0.63	363.63	Sst. & Sh. Intercalated.		

Local(L-S)

1	2	3	4	5	6	7	8	9	10	11
363.90	367.00	3.10	3.10	100.0	0.27 0.09 0.09 1.30 0.83 0.79	0.27 0.09 0.09 1.30 0.83 0.79	363.99 364.08 365.38 366.21 367.00	Sh. Sh. C O A L SST. Mg d. with Sh. laminae SST. & Sh. Intercalated SST. Mg d.		
367.00	369.00	2.00	2.00	100.0	2.00	2.00	369.00	SST. Mg d. to Cgd.		
369.00	370.00	1.00	1.00	100.0	1.00	1.00	370.00	SST. Cgd.		
370.00	373.00	3.00	3.00	100.0	3.00	3.00	373.00	SST. Cgd. to Mg d.		
373.00	373.55	0.55	0.55	100.0	0.55	0.55	373.55	SST. Mg d.		
373.55	376.65	3.10	3.08	99.35	0.33	0.33	373.88	SST. Mg d.		
					0.88	0.89	374.77	C O A L		
					0.48	0.48	375.25	COAL with Sh. streak		
					0.28	0.28	375.53	Sh. with C - streak		
					1.00	1.01	376.54	SST. & Sh. Intercalated		
					0.11	0.11	376.65	Sh.		
376.65	378.15	1.50	1.50	100.0	0.39	0.89	377.54	Sh.		
					0.61	0.61	378.15	SST. Mg d.		
378.15	381.15	3.00	3.00	100.0	3.00	3.00	381.15	SST. Cgd.		
381.15	382.15	1.00	1.00	100.0	1.00	1.00	382.15	SST. & Sh. Intercalated		
382.15	382.55	0.40	0.40	100.0	0.40	0.40	382.55	SST. & Sh. Intercalated		
382.55	385.25	2.70	2.70	100.0	2.70	2.70	385.25	SST. & Sh. Intercalated		

Local(L-7)

385.25	387.25	2.00	1.96	98.00	1.35	1.38	386.63	SST. Mgd.
					0.61	0.62	387.25	SST. & Sh. Intercalated
387.25	390.30	3.05	3.05	100.0	2.32	2.32	389.57	SST. & Sh. Intercalated
					0.43	0.43	390.00	Sh. with C - streak
					0.30	0.30	390.30	SST. & Sh. Intercalated
390.30	393.45	3.15	3.15	98.1	0.45	0.46	390.76	SST. & Sh. Intercalated
					2.14	2.18	392.94	SST. Mgd.
					0.50	0.51	393.45	SST. & Sh. Intercalated
393.45	395.65	2.20	2.17	98.6	1.13	1.15	394.60	SST. & Sh. Intercalated
					1.04	1.05	395.65	Sh.
395.65	397.65	2.00	2.00	100.0	2.00	2.00	397.65	SST. & Sh. Intercalated
397.65	400.55	2.90	2.88	99.3	0.91	0.91	398.56	SST. Mgd. with Sh. bands
					1.92	1.94	400.50	SST. & Sh. Intercalated
					0.05	0.05	400.55	Sh. with C - bands
400.55	403.65	3.10	3.10	100.0	0.34	0.34	400.89	C O A L
					0.21	0.21	401.10	Sh. with C - band
					0.21	0.21	401.31	SST. Mgd. with Sh.
					0.30	0.30	401.61	C O A L
					0.24	0.24	401.85	Sh.
					1.30	1.80	403.65	C O A L
403.65	406.75	3.10	3.10	100.0	3.10	3.10	406.75	C O A L
406.75	409.70	2.95	2.95	100.0	0.26	0.26	407.01	Sh. with C - streak
					1.47	1.47	408.48	SST. & Sh. Intercalated

Br.
Fr., Sl.
Br.

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1	2	3	4	5	6	7	8	9	10	11
409.70	412.70	3.00	2.76	92.00	1.22	1.22	409.70	SST. Mgd.		
					0.61	0.66	410.36	SST. & Sh. Intercalated		
					0.06	0.72	411.08	SST. Cgd.		
					0.30	0.33	411.41	C. O A L		
					0.0	0.08	411.49	Sh. with C - streak		
					0.10	0.10	411.59	Sc.		
					0.79	0.86	412.45	Sh. with C - band		
					0.23	0.25	412.70	SST. Mgd. with Sh. laminae		
412.70	415.80	3.10	3.10	100.0	0.18	0.13	412.88	SST. & Sh. Intercalated		
					2.67	2.67	415.55	SST. Mgd.		
					0.25	0.25	415.80	Grit.		
415.80	418.90	3.10	3.08	99.35	0.14	0.14	415.94	Grit.		
					0.17	0.17	416.11	Sh.		
					0.36	0.36	416.47	SST. & Sh. Intercalated		
					1.43	1.45	417.92	SST. Argil.		
					0.98	0.98	418.90	SST. & Sh. Intercalated		
418.90	421.95	3.05	3.05	100.0	3.05	3.05	421.95	SST. & Sh. Intercalated		
421.95	424.95	3.00	2.38	96.0	1.77	1.84	423.79	SST. & Sh. Intercalated		
					0.30	0.31	424.10	Sh.		
					0.48	0.50	424.60	C O A L		
					0.17	0.18	424.73	Sh.		

Local

Fr., Vfr.

1	2	3	4	5	6	7	8	9	10	11
424.95	427.95	3.00	2.98	99.3	0.69	0.69	425.64	Sst. Fgd. with Sh. laminae		
					0.39	0.39	426.03	Sh.		
					1.90	1.92	427.95	C O A L		
427.95	430.95	3.00	2.99	99.6	0.36	0.36	428.31	C O A L		
					0.11	0.11	428.42	Jh.		
					0.27	0.27	428.69	M.F.		
					0.10	0.10	428.79	Sh. baked		
					0.47	0.47	429.26	Sst. Argil.		
					0.47	0.47	429.73	Sh. with Aren. bands		
					1.21	1.22	430.95	Sst. & Sh. Intercalated		
430.95	434.00	3.05	3.03	99.3	0.77	0.77	431.72	Sh.		
					0.90	0.91	432.63	Sst. Mgd.		
					0.39	0.39	433.02	Sst. & Sh. Intercalated		
					0.97	0.98	434.00	Sst. Mgd.		
434.00	437.05	3.05	3.00	98.4	0.22	0.23	434.23	Sst. Mgd.		
					1.58	1.60	435.83	Sst. & Sh. Intercalated		
					1.20	1.22	437.05	Sst. Mgd.		
437.05	440.10	3.05	3.05	100.0	1.44	1.44	438.49	Sst. Mgd.		
					1.61	1.61	440.10	Sst. & Sh. Intercalated		
440.10	443.10	3.00	2.95	98.33	2.95	3.00	443.10	Sst. & Sh. Intercalated		
443.10	444.10	1.00	0.99	99.0	0.99	1.00	444.10	Sst. Fgd. with Sh. laminae		
444.10	446.10	2.00	2.00	100.0	0.95	0.95	445.05	Grit.		

XVII

Br.
Gr.

BORE HOLE NO. MB - 2.

II/1119

1	2	3	4	5	6	7	8	9	10	11
446.10	449.20	3.10	3.10	100.0	1.05	1.05	446.10	SST. Fgd.		
					0.10	0.10	446.20	SST. Mgd. with C - band		
					0.12	0.12	446.32	C O A L		
					0.27	0.27	446.59	Sh.		
					0.70	0.70	447.29	SST. & Sh. Intercalated		
					0.30	0.30	447.59	SST. Argill.		
					0.34	0.34	447.93	SST. Fgd.		
					0.17	0.17	448.10	SST. Mgd.		
					1.10	1.10	449.20	SST. & Sh. Intercalated		
449.20	450.70	1.50	1.18	78.6	0.34	0.44	449.64	SST. Mgd.		
					0.70	0.85	450.49	SST. & Sh. Intercalated		
					0.14	0.21	450.70	Sh.		
450.70	452.20	1.50	1.13	75.3	1.08	1.43	452.13	C O A L		
					0.05	0.07	452.20	Sh.		
452.20	455.20	3.00	2.88	96.0	0.46	0.48	452.68	Sh.		
					0.30	0.31	452.99	C O A L		
					0.22	0.23	453.22	Sh.		
					1.06	1.10	454.32	SST. Mgd. with Sh. bands		
455.20	456.30	1.10	1.07	97.3	0.84	0.88	455.20	C O A L		
					0.12	0.13	455.33	Sh.		

Local(L-6)
Br.

Local(L-5)

1	2	3	4	5	6	7	8	9	10	11
456.30	458.30	2.00	2.00	100.0	1.08	1.08	457.38	SST. Argill.		
					0.58	0.58	457.96	SST. & Sh. Intercalated		
458.30	461.45	3.15	3.11	98.7	0.34	0.34	458.30	SST. Mg'd.		
					1.20	1.22	459.52	SST. Cgd.		
461.45	464.45	3.00	2.48	82.66	1.91	1.93	461.45	Grt t.		
					0.22	0.27	461.72	SST. & Sh. Intercalated		
464.45	464.90	0.45	0.40	88.8	2.26	2.73	464.45	SST. Cgd.		
464.90	466.80	1.90	1.88	98.9	0.40	0.45	464.90	SST. Cgd.		
					0.04	0.04	464.94	Sh.		
					0.40	0.40	465.34	C O A L		
466.80	466.90	0.10	0.05	50.0	1.44	1.46	466.80	Sh.		
466.90	469.90	3.00	2.77	92.3	0.05	0.10	466.90	Sh.		
					0.65	0.70	467.60	Sh.		
					0.70	0.76	468.36	SST. Fgd. with Sh. bands		
					0.21	0.23	468.59	SST. Mg'd.		
					0.81	0.88	469.47	SST. & Sh. Intercalated		
					0.40	0.43	469.90	SST. Fgd.		
469.90	470.90	1.00	0.99	99.0	0.71	0.72	470.62	SST. & Sh. Intercalated		
					0.28	0.28	470.90	Sh. with Aren. bands.		
470.90	474.00	3.10	2.98	96.1	1.13	1.14	472.04	SST. & Sh. Intercalated		
					0.92	0.93	472.97	C O A L		
					0.59	0.63	473.60	Sh. Aren.		
					0.10	0.13	473.73	SST. & Sh. Intercalated		
					0.24	0.27	474.00	SST. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
474.00	475.05	1.05	1.01	96.2	0.84	0.87	474.87	SST. Cgd.		
475.05	476.70	1.65	1.65	100.0	0.06	0.06	475.05	SST. & Sh. Intercalated		
					0.06	0.06	475.11	SST. & Sh. Intercalated		
					1.12	1.12	476.23	SST. Cgd.		
					0.47	0.47	476.70	Sh.		
476.70	479.80	3.10	3.10	100.0	1.52	1.52	478.22	SST. & Sh. Intercalated		
					1.58	1.58	479.80	SST. Mgd.		
479.80	482.75	2.95	2.93	99.32	1.34	1.35	481.15	SST. Mgd. with Sh. bands		
					0.46	0.46	481.61	SST. Cgd.		
					0.62	0.63	482.24	SST. & Sh. Intercalated		
					0.51	0.51	482.75	Sh. with Aren. bands.		
482.75	485.85	3.10	3.10	100.0	0.11	0.11	482.86	Sh. with Aren. bands.		
					1.03	1.03	483.89	SST. & Sh. Intercalated		
					1.96	1.96	485.85	Sh.		
485.85	487.00	1.15	1.02	88.7	0.42	0.47	486.32	C O A L		
					0.60	0.68	487.00	Csh.		
487.00	487.70	0.70	0.69	98.57	0.69	0.70	487.70	SST. & Sh. Intercalated		
487.70	489.50	1.80	1.79	99.4	1.41	1.42	489.12	SST. & Sh. Intercalated		
					0.38	0.38	489.50	SST. Mgd.		
489.50	492.05	2.55	2.44	95.7	1.49	1.55	491.05	SST. Mgd.		

Local(L-3)

Br.

492.05	495.10	3.05	3.05	100.0	0.16	0.16	492.21	SST. Cgd.
					0.09	0.09	492.30	Sh.
					1.69	1.69	493.99	SST. Mgd. with Sh. bands
					0.78	0.78	494.77	SST. Mgd.
495.10	497.10	2.00	2.00	100.0	0.33	0.33	495.10	SST. & Sh. Intercalated
					0.15	0.15	495.25	SST. & Sh. Intercalated
					0.14	0.14	495.39	Sh.
					0.16	0.16	495.55	C O A L
					0.09	0.09	495.64	Sh. with C - bands.
					0.61	0.61	496.25	Sh.
					0.30	0.30	496.55	Sh. M.P.
					0.30	0.30	496.85	M.P.
					0.10	0.10	496.95	Sh. bands.
					0.15	0.15	497.10	Sh.
497.10	498.45	1.35	1.35	100.0	0.36	0.36	497.46	SST. Argil.
					0.05	0.05	497.51	SST. Mgd.
					0.20	0.20	497.71	SST. Argil.
					0.74	0.74	498.45	SST. & Sh. Intercalated
498.45	501.55	3.10	3.10	100.0	2.25	2.25	500.70	SST. Mgd.
					0.85	0.85	501.55	SST. Cgd.
501.55	502.55	1.00	0.94	94.0	0.94	1.00	502.55	SST. Cgd.
502.55	504.60	2.05	2.05	100.0	1.67	1.67	504.22	SST. Cgd.
					0.28	0.28	504.50	SST. & Sh. Intercalated
					0.10	0.10	504.60	SST. Mgd.

Local.

1	2	3	4	5	6	7	8	9	10	11
504.60	507.65	3.05	2.96	97.0	0.63	0.65	505.25	SST. Mgd.		
507.65	510.70	3.05	3.03	99.3	2.33	2.40	507.65	SST. Cgd.		
510.70	513.80	3.10	2.98	96.1	3.03	3.05	510.70	SST. Cgd.		
					1.92	2.00	512.70	SST. Cgd.		
					0.12	0.12	512.82	C O A L		
					0.38	0.39	513.21	St.		
					0.13	0.14	513.35	Sc.		
					0.43	0.45	513.80	C O A L		
513.80	516.90	3.10	2.64	85.1	1.05	1.19	514.99	C O A L		
					0.19	0.23	515.22	SST. Fgd. with C-bear is (sideritic)		
					0.22	0.26	515.48	SST. & St. Intercalated		
					0.25	0.50	515.78	SST. Fgd.		
					0.47	0.56	516.34	SST. Argill.		
					0.46	0.56	516.90	SST. & St. Intercalated		
516.90	520.00	3.10	3.05	98.4	0.74	0.75	517.65	SST. Argill.		
					0.72	0.73	518.38	SST. Fgd. with St. bands.		
					0.77	0.78	519.16	SST. Mgd.		
					0.82	0.84	520.00	SST. Cgd.		
520.00	523.10	3.10	3.10	100.0	2.40	2.40	522.40	SST. Cgd.		
					0.28	0.28	522.68	St.		
					0.42	0.42	523.10	SST. Argill.		

XVI D/E

					0.77	0.30	523.76	SST. Argil.
					0.29	0.52	524.28	Sh.
525.10	526.15	1.05	0.88	83.8	0.46	0.82	525.10	SST. Cgd.
526.15	529.20	3.05	3.04	99.7	0.88	1.05	526.15	SST. Cgd.
					0.96	0.96	527.11	SST. Cgd.
529.20	530.70	1.50	1.47	98.0	2.08	2.09	529.20	Grilt.
					0.32	0.32	529.52	Grilt.
530.70	532.20	1.50	1.50	100.0	1.15	1.18	530.70	SST. & Sh. Intercalated
					0.42	0.42	531.12	SST. & Sh. Intercalated
					0.48	0.48	531.60	Csh.
					0.05	0.05	531.65	SST. Med. with C - bands.
					0.05	0.05	531.70	C O A L
					0.50	0.50	532.20	Csh.
532.20	535.20	3.00	2.92	97.3	0.07	0.07	532.27	C O A L
					0.32	0.33	532.60	Sh.
					2.53	2.60	535.20	SST. & Sh. Intercalated
535.20	538.25	3.05	3.03	99.3	1.33	1.34	536.54	SST. & Sh. Intercalated
					0.27	0.27	536.81	SST. Med.
					1.43	1.44	538.25	SST. & Sh. Intercalated
538.25	541.05	2.80	2.80	100.0	1.77	1.77	540.02	SST. & Sh. Intercalated
					0.40	0.40	540.42	Sh. with Aren. bands.
					0.49	0.49	540.91	SST. & Sh. Intercalated
					0.14	0.14	541.05	Sh.

1	2	3	4	5	6	7	8	9	10	11
541.05	544.15	3.10	3.10	100.0	0.06	0.06	541.11	\$n.		
					0.47	0.47	541.58	SST. & \$n. Intercalated		
					0.67	0.67	542.25	\$n.		
					0.39	0.39	542.64	C O A L		
					0.15	0.15	542.79	Csh.		
					1.36	1.36	544.15	C O A L		
544.15	547.20	3.05	3.05	100.0	2.48	2.48	546.63	C O A L		
					0.23	0.23	546.86	\$n. with C - bands.		
					0.34	0.34	547.20	SST. Argil.		
547.20	550.30	3.10	3.10	100.0	2.61	2.61	549.81	SST. Mgd.		
					0.49	0.49	550.30	SST. Cgd.		
550.30	553.40	3.10	3.10	100.0	1.35	1.35	551.65	SST. Cgd.		
					0.30	0.30	551.95	\$n. with Aren. bands.		
					1.01	1.01	552.96	\$n.		
					0.09	0.09	553.05	SST. & \$n. Intercalated		
					0.35	0.35	553.40	Csh.		
553.40	556.50	3.10	2.73	88.0	0.85	0.96	554.36	Csh.		
					0.80	0.91	555.27	SST. Mgd.		
					0.14	0.16	555.43	\$n.		
					0.81	0.92	556.35	SST. & \$n. Intercalated		
					0.13	0.15	556.50	SST. Cgd.		
556.50	559.50	3.00	2.95	98.3	1.87	1.90	558.40	SST. Mgd.		

XVI C

Br.
Br.

Fr., Br., Ps.

1	2	3	4	5	6	7	8	9	10	11
559.50	562.40	2.90	2.79	96.2	0.40	0.42	559.92	Sh.		
					0.72	0.75	560.67	Csh.		
					1.67	1.73	562.40	C O A L		Br.
562.40	563.50	3.10	3.05	98.35	2.29	2.34	564.74	C O A L		Br.
					0.22	0.22	564.96	Sh. with lren. bands.		
					0.28	0.28	565.24	C O A L		
					0.26	0.26	565.50	Sh.		
563.50	568.60	3.10	3.04	98.0	0.16	0.16	565.66	Sh.		
					1.20	1.23	566.89	C O A L		
					0.36	0.36	567.25	Sh. with C - bands.		
					0.11	0.11	567.36	Sh.		
					1.18	1.21	568.57	C O A L		
					0.03	0.03	568.60	Sh.		Br.
568.60	571.70	3.10	3.10	100.0	0.47	0.47	569.07	Sh.		
					0.08	0.08	569.15	SST. Fgd.		
					0.65	0.65	569.78	Sh. Argil.		
					1.92	1.92	571.70	SST. & Sh. Intercalated		
571.70	574.75	3.05	3.00	98.36	3.00	3.05	574.75	SST. Cgd. to Grit.		
574.75	575.75	1.00	1.00	100.0	1.00	1.00	575.75	SST. Cgd. to Grit.		
575.75	577.75	2.00	1.97	98.5	1.97	2.00	577.75	SST. Cgd. to Grit.		
577.75	580.75	3.00	3.50	100.0	2.56	2.56	580.31	SST. Cgd. to Grit.		
					0.44	0.44	580.75	SST. Mgd.		

XVI A/B

Local.

Br.

1	2	3	4	5	6	7	8	9	10	11
580.75	583.80	3.05	3.05	100.0	1.65	1.65	582.40	SST. Grd.		
					0.73	0.73	583.13	Grit.		
					0.08	0.08	583.21	Sh.		
					0.59	0.59	583.80	Grit.		
583.80	586.80	3.00	3.00	100.0	3.00	3.00	586.80	Grit.		
586.80	589.90	3.10	2.99	96.5	0.85	0.88	587.68	Grit.		
					0.53	0.55	588.23	C O A.L		
					0.07	0.07	588.30	Sh. baked.		
					0.03	0.03	588.33	M.P.		
					0.12	0.12	588.45	Cal. baked.		
					0.03	0.03	588.48	M.P.		
					0.07	0.07	588.55	Cal. baked.		
					0.18	0.18	588.73	M.P.		
					1.11	1.17	589.90	Sh.		
589.90	592.90	3.00	2.99	99.7	0.88	0.88	590.78	COAL with Sh. laminae		
					0.08	0.08	590.86	Sh. Siderite c.		
					0.03	0.03	590.89	M.P.		
					1.57	1.58	592.47	SST. Argill.		
					0.43	0.43	592.90	Sh.		
592.90	595.90	3.00	3.00	100.0	0.88	0.88	593.78	Sh.		

XVI

1	2	3	4	5	6	7	8	9	10	11
595.90	598.90	3.00	2.99	99.7	0.16	0.16	596.06	SST. Med. with Sn. laminae		
					2.52	2.53	598.59	SST. Cgd. to grit.		
598.90	600.50	1.60	1.56	97.5	0.31	0.31	598.90	SST. Argil.		
					0.56	0.60	599.50	SST. Argil.		
600.50	601.95	1.45	1.43	98.6	1.00	1.00	600.50	SST. Med. with Sn.		
601.95	604.95	3.00	2.99	99.7	1.43	1.45	601.95	SST. Cgd.		
					1.85	1.86	603.81	SST. Cgd.		
					0.61	0.61	604.42	Grit.		
604.95	607.95	3.00	2.94	88.0	0.36	0.36	604.78	SST. Med.		
					0.17	0.17	604.95	Grit.		
					0.27	0.27	605.22	Grit.		
607.95	610.95	3.00	2.96	98.7	0.21	0.21	605.43	SST. Argil.		
					2.46	2.52	607.95	SST. Cgd.		
					1.09	1.11	609.06	SST. Cgd.		
					0.63	0.63	609.69	SST. & Sn. Intercalated		
					1.24	1.26	610.95	Sn. with Aren. bands.		
610.95	612.95	2.00	2.00	100.0	0.54	0.54	611.49	Sn. with Aren. bands.		
					0.25	0.25	611.74	SST. Fgd.		
612.95	613.95	1.00	0.98	98.0	1.21	1.21	612.95	Sn. Aren.		
613.95	616.95	3.00	3.00	100.0	0.98	1.00	613.95	SST. Med.		
					1.65	1.65	615.60	SST. Med.		
					1.35	1.35	616.95	SST. Cgd.		

Fr.

1	2	3	4	5	6	7	8	9	10	11
616.95	619.95	3.00	3.00	100.0	3.00	3.00	619.95	SST. Ggd.		
619.95	622.95	3.00	3.00	100.0	1.03	1.03	620.98	SST. Ggd.		
					0.77	0.77	621.75	SST. Mgd. with St. laminae		
					1.20	1.20	622.95	Grit.		
622.95	626.00	3.05	3.05	100.0	3.05	3.05	626.00	SST. Ggd. to grit.		
626.00	629.05	3.05	3.05	100.0	3.05	3.05	629.05	Grit. with pebble.		
629.05	632.05	3.00	2.98	99.3	0.23	0.23	629.28	Grit. with pebble.		
					2.75	2.77	632.05	SST. Ggd.		
632.05	633.55	1.50	1.50	100.0	0.96	0.96	633.01	SST. Ggd.		
					0.54	0.54	633.55	SST. Mgd.		
633.55	635.15	1.60	1.59	99.4	1.28	1.29	634.84	SST. Mgd. with St. bands.		
					0.31	0.31	635.15	SST. Ggd.		
635.15	638.15	3.00	3.00	100.0	0.77	0.77	635.92	SST. Ggd.		
					0.32	0.32	636.24	Grit.		
					0.35	0.35	636.59	SST. Ggd.		
					1.56	1.56	638.15	Grit.		
638.15	641.15	3.00	2.97	99.0	2.97	3.00	641.15	Grit.		
641.15	644.15	3.00	3.00	100.0	2.31	2.31	643.46	Grit.		
					0.40	0.40	643.86	SST. Ggd.		
					0.29	0.29	644.15	SST. Mgd.		
644.15	647.15	3.00	2.95	98.3	0.55	0.56	644.71	SST. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
647.15	647.85	0.70	0.70	100.0	0.09	0.09	647.24	Sc.		Fr.
647.85	650.35	2.50	2.50	100.0	0.61	0.61	647.85	C O A.L		Fr.
650.35	653.35	3.00	2.96	98.7	1.93	1.96	652.31	C O A.L		Fr., Fr.
					0.16	0.16	652.47	SST. Pegd.		Br., Fr., Sl., I
					0.87	0.88	653.35	Sl.		Br., Fr., Sl., I
653.35	656.45	3.10	3.03	97.7	0.45	0.46	653.81	SST. Argil.		Br., Fr., Sl., I
					0.26	0.26	654.07	SST. Qgd.		Br., Fr., Sl., I
					0.60	0.62	654.69	SST. Argil.		Br., Fr., Sl., I
					0.44	0.45	655.14	SST. & Sh. Intercalated		Br., Fr., Sl., I
					0.77	0.79	655.93	SST. Pegd.		
					0.51	0.52	656.45	SST. Pegd.		
656.45	659.55	3.10	3.10	100.0	0.14	0.14	656.59	C O A.L		Br.
					2.96	2.96	659.55	SST. Qgd.		VFr., Fr.
659.55	662.80	3.05	3.00	98.4	3.00	3.05	662.80	SST. Qgd. to Grit.		Fr., Sl.,
662.80	665.60	3.00	3.00	100.0	3.00	3.00	665.60	SST. Qgd. to Grit.		Sl., Ps.
665.60	668.10	2.50	2.45	98.0	2.45	2.50	668.10	SST. Qgd.		

XV

1	2	3	4	5	6	7	8	9	10	11
668.10	671.10	3.00	2.78	92.7	2.09	2.16	670.26	SST. Cgd.		
					0.20	0.21	670.47	Sh.		SL, Ps., Br.
					0.49	0.63	671.10	M.P.		
671.10	674.10	3.00	2.87	95.6	0.40	0.42	671.52			
					0.11	0.11	671.63	Sh. baked.		
					0.42	0.44	672.07	Sh.		
					0.64	0.67	672.74	Sh. baked.		
					0.24	0.25	672.99	Sh.		
					0.26	0.27	673.26	Sh. + M.P.		
					0.80	0.84	673.26	Sh.		
674.10	677.10	3.00	2.72	90.7	1.26	1.39	675.36	Sh.		SL, Ps., Br.
					1.46	1.61	677.10	SST. Cgd.		
677.10	677.60	0.50	0.42	84.00	0.42	0.50	677.60	SST. Cgd.		
677.60	678.80	NO CORE RECOVERY DUE TO DRILLING DIFFICULTY.								

DEVIATION DRILLING FROM 664.30 MTS.

664.30	665.40	1.10	1.10	100.0	1.10	1.10	665.40	SST. Cgd.		
665.40	666.00	0.60	0.60	100.0	0.60	0.60	666.00	SST. Cgd.		
666.00	666.55	0.55	0.52	94.5	0.52	0.55	666.55	SST. Cgd.		
666.55	666.95	0.40	0.39	97.5	0.39	0.40	666.95	SST. Cgd.		
666.95	667.40	0.45	0.43	95.6	0.43	0.45	667.40	SST. Cgd.		
667.40	668.50	1.10	1.10	100.0	1.10	1.10	668.50	SST. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
669.50	671.00	1.50	1.50	100.0	0.86	0.86	670.36	M.F.		
					0.40	0.40	670.76	Jh.		
671.00	672.45	1.45	1.35	93.1	0.24	0.24	671.00	Sn. baked.		
					0.17	0.19	671.19	Sn. baked.		
					0.46	0.49	671.68	Jh.		
					0.14	0.16	671.84	Jh.		
					0.58	0.61	672.45	Jh.		
672.45	673.30	0.85	0.85	100.0	0.41	0.41	672.86	Sn.		Sl., Ps., Br.
					0.44	0.44	673.30	SST. Mgd.		
673.30	674.40	1.10	1.02	92.72	1.02	1.10	674.40	Gr. t.		
674.40	675.30	0.90	0.58	64.4	0.58	0.90	675.30	SST. Cgd.		Sl., Fr.
675.30	677.00	0.70	0.11	15.7	0.11	0.70	677.00	C O A L (Sludge).		
677.00	678.00	1.00	0.11	11.0	0.11	1.00	678.00	C O A L (Sludge).		
678.00	678.60	0.60	0.59	98.3	0.05	0.05	678.05	Jh.		
					0.54	0.55	678.60	M.F.		Sl., Ps.
678.60	680.00	1.40	1.7	90.7	0.78	0.86	679.46	M.F.		Fr.
					0.49	0.54	680.00	Sn.		Fr., Sl., Ps.

HORE HOLE CLOSED AT

MTS. ON.

II/1133.

DETAILS OF COAL SEAMS ENCOUNTERED
IN BORE HOLE NO. MB - 9.
(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
Local	161.82	162.87	1.05	
Local	227.71	228.41	0.70	
XVIII D	269.93	270.42	0.49 Jh.	
	270.42	270.48	0.06 G.	
XVIII C	293.49	293.86	0.37 M.P.	
	293.86	294.10	0.24 Sc.	
	294.10	294.72	0.62 Jh.	
XVIII B	297.07	299.42	2.35	
XVIII A	305.51	307.96	2.45	
XVIII	327.05	329.86	2.81	
Local (L-9)	334.13	336.44	2.31	
Local (L-8)	356.67	357.02	0.35	
Local (L-7)	373.88	375.25	1.37	
XVII A	401.31	406.75	5.44	
Local	424.10	424.60	0.58	
XVII	426.03	428.23	2.20	
	428.23	428.69	0.46 Jh.+M.P.	
Local (L-6)	450.70	452.13	1.43	
Local (L-5)	454.32	455.03	0.71	
Local (L-4)	472.26	472.97	0.71	
Local (L-3)	485.85	486.60	0.75	
Local	495.39	495.61	0.22	
	495.61	496.85	1.24 Jh.+M.P.	
XVII D/E	513.21	514.99	1.78	
XVIC	542.72	546.63	3.91	
XVI A/B	560.67	564.97	4.30	
Local	565.91	568.57	2.66	
XVI LOCAL	587.68	588.75	1.07 Jh.+M.P.	
	589.90	590.65	0.75 G.	
XV	644.79	645.35	0.56 Jh.+M.P.	
	645.35	652.31	6.96 G.	
XIV	672.53	674.10	1.57 Jh.+M.P.	
<u>DEVIATION DRILLING</u>				
	669.50	670.79	1.29 Jh.+M.P.	
	671.60	672.45	0.85 Jh.+M.P.	

Latitude : 19583.9196
 Longitude : 22128.5159
 R. L. of Collar : 195.955
 Depth drilled : 491.78 m.
 Commenced on : 10.10.1979.
 Completed on : 9.1.1981.
 All dimensions in metres.

R U H m	To	Thickness	RECOVER.			Depth of floor	L I T H O L O G Y	Seam corre- lation	Structural Features.
			Reco- vered.	Per- cent.	Extra- polated.				
1	2	3	4	5	6	7	8	9	10
00	3.05	3.05	-	-	-	-	3.05	soil	
05	6.10	3.05	-	-	-	-	6.10	-do-	
10	8.05	1.90	-	-	-	-	0.90	-do-	
00	10.45	2.45	2.45	100.0	2.45	2.45	10.45	Sst. Cgd.	
45	13.50	3.05	2.90	95.00	2.90	3.05	13.50	-do-	Fr.
50	16.65	3.15	3.14	99.63	0.73	0.73	14.23	-do-	Fr.
					0.84	0.84	15.07	Sst. argill.	
					0.18	0.18	15.25	Sst. Cgd.	
					1.39	1.40	16.65	Sst. & Sh. Intercalated.	
65	19.60	2.95	2.95	100.00	1.70	1.70	18.35	-do-	
					0.45	0.45	18.80	Sst. argill.	
60	22.65	3.05	2.99	98.03	0.80	0.80	19.60	Sst. Cgd.	Fr.
					1.68	1.65	21.28	-do-	Fr.
					1.34	1.37	22.65	Sst. & Sh. Intercalated.	
65	25.70	3.05	3.00	98.36	1.03	1.10	23.75	-do-	

1	2	3	4	5	6	7	8	9	10	11
25.70	20.70	3.00	2.87	95.66	0.75	0.70	26.48	Sst. & Sh. Intercalated.		Ir.
					0.32	0.33	26.01	Sst. Cgd.		Ir.
					0.40	0.42	27.23	Sst. & Sh. Intercalated.		Ir.
					0.70	0.73	27.95	Sst. Argill.		
					0.36	0.30	28.34	Sst. Mgd with Sh. Bands.		
					0.34	0.36	28.70	Sst. & Sh. Intercalated.		
28.70	31.75	3.05	3.05	100.00	1.13	1.13	29.83	-do-		
					1.62	1.62	31.45	Sst. Mgd. with Sh. bands.		
					0.30	0.30	31.75	Sst. & Sh. Intercalated.		
31.75	34.75	3.00	3.00	100.00	1.20	1.20	32.95	-do-		
					1.89	1.80	34.75	Sst. Cgd.		
34.75	37.75	3.00	2.85	95.00	0.18	0.19	34.94	-do-		
					0.83	0.92	35.66	Sh. with aren bands.		
					0.35	0.36	36.22	Sst. Fgd.		
					0.01	0.05	37.07	Sst. Mgd.		
					0.63	0.60	37.75	Sst. & Sh. Intercalated.		
37.75	40.40	3.05	3.05	100.00	1.03	1.03	38.78	-do-		
					1.33	1.33	40.11	Sst. Argill.		

1	2	3	4	5	6	7	8	9	10	11
40.30	43.30	3.00	2.92	97.33	0.93	1.01	41.81	Sh. with aren Bands.		
					0.43	0.44	42.25	Sst. Cgd with pebbles.		
					0.63	0.65	42.90	Sst. & Sh. Intercalated.		
					0.63	0.65	43.55	Sst. Lgd.		
					0.20	0.20	43.75	Sst. Mgd. with Sh. Laminae.		
					0.05	0.05	43.00	S.C.		
43.80	46.80	3.00	3.00	100.00	0.00	0.00	43.00	-do-		
					2.03	2.03	45.91	Sst. Argill.		
					0.67	0.67	46.50	Sst. & Sh. Intercalated.		
					0.22	0.22	46.80	Sst. Cgd.		
46.80	49.40	2.60	2.59	99.61	2.59	2.60	49.40	Grt.		Tr.
49.40	52.45	3.05	2.99	98.03	0.05	0.05	49.45	Sh.		
					0.07	0.07	49.52	Sst. Mgd.		
					0.20	0.20	49.72	Sst.		
					0.30	0.30	50.02	C O A L.		
					0.38	0.39	50.41	Sst. (Baked).		
					0.35	0.36	50.77	J.H. + H.P.		
52.45	55.50	3.05	3.05	100.00	1.64	1.66	52.45	Sst. & Sh. Intercalated.		
					0.31	0.31	52.76	-do-		
					2.74	2.74	55.50	Sst. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
55.50	58.55	3.05	3.04	99.67	2.99	3.00	58.50	Sst. Cgd.		
					0.05	0.05	50.55	Sst. & Sh. Intercalated.		
50.55	61.60	3.05	3.05	100.00	2.65	2.65	61.20	-do-		
					0.40	0.40	61.60	Sst. Cgd.		
61.60	64.60	3.00	2.55	95.00	1.15	1.21	62.81	-do-		
					0.75	0.75	63.59	Sh.		
					0.13	0.14	63.73	Sst. Mgd.		
					0.19	0.20	63.93	S.C.		
					0.15	0.17	64.10	Sh.		
					0.40	0.50	64.60	Sst. Mgd. with Sh. Bands.		
64.60	67.60	3.00	2.95	98.33	2.95	3.00	67.60	Sst. & Sh. Intercalated.		
77.60	70.65	3.05	3.05	100.00	0.09	0.09	67.69	-do-		
					1.86	1.86	69.55	Sst. Mgd. with Sh. Bands.		
					1.10	1.10	70.65	Sst. & Sh. Intercalated.		
70.76	73.70	3.05	3.05	100.00	1.20	1.20	71.85	-do-		
					1.85	1.85	73.70	Sst. Mgd. with Sh. Bands.		
73.70	76.75	3.05	3.05	100.00	3.01	3.01	76.71	Sst. & Sh. Intercalated.		
					0.04	0.04	76.75	Sh.		
76.75	79.75	3.00	3.00	100.00	1.00	1.00	77.75	-do-		

Fr, Br

Fr.

Vfr.

1	2	3	4	5	6	7	8	9	10	11
79.75	32.75	3.00	2.98	99.33	0.05	0.05	70.15	S.C.		
					1.60	1.60	79.75	Sst. & Sh. Intercalated.		
					0.69	0.69	60.44	Csh.		
					0.14	0.14	80.58	C O A L.		
					1.46	1.47	62.05	Sst. Mgd. with Sh.		
					0.54	0.55	82.60	Sst. & Sh. Intercalated.		
					0.15	0.15	82.75	Sh.		
82.75	85.85	3.10	3.10	100.00	2.57	2.57	85.32	Sst. & Sh. Intercalated.		
					0.18	0.18	85.50	Sh.		
					0.09	0.09	85.59	C O A L.		
					0.07	0.07	85.66	S.C.		
					0.19	0.19	85.85	C O A L.		
85.85	88.90	3.05	3.03	99.34	0.16	0.16	86.01	--do--		
					0.55	0.55	86.56	Sh. with C. Bands.		
					0.40	0.41	86.96	Sst. Argill.		
					1.55	1.58	80.54	Sst. & Sh. Intercalated.		
88.90	91.95	3.05	3.03	99.34	0.36	0.36	88.90	Sst. Mgd.		
					2.95	2.96	91.06	Sst. Cgd.		
					0.08	0.09	91.95	Sst. & Sh. Intercalated.		
91.95	95.00	3.05	3.01	98.60	0.25	0.26	92.21	--do--		

1	2	3	4	5	6	7	8	9	10	11
95.00	98.00	3.00	3.00	100.00	0.11 1.48 1.17 0.33 0.54 1.66 0.09 0.38	0.11 1.50 1.18 0.33 0.54 1.66 0.09 0.38	92.32 93.62 95.00 95.33 95.67 97.53 97.62 98.00	C O A L. Sst. & Sh. Intercalated. Sh. -do- ost. & Sh. Intercalated. Sst. Argill. C O A L. Sh, aren.		
98.00	101.00	3.00	2.74	91.33	0.15 0.23 1.34 0.24 0.48 0.38	0.15 0.23 1.87 0.25 0.50 0.38	93.15 98.38 100.25 100.50 101.00 101.38	-do- Sst. Cgd. Sst. & Sh. Intercalated. Sst. Mgd. Sst. -do-		
101.00	104.00	3.00	3.00	100.00	1.06 1.56 1.28	1.06 1.56 1.28	102.44 104.00 105.28	Sst. Mgd. with Sh. Bands. Sst. & Sh. Intercalated. -do-		
104.00	107.00	3.00	3.00	100.00	0.63 1.28 0.63	0.63 1.28 0.63	105.91 105.28 105.91	Sh. -do- Sh.		

1	2	3	4	5	6	7	8	9	10	11
					0.19	0.19	106.35	Sh.		
					0.36	0.36	106.71	Sh. with C. Bands.		
					0.29	0.29	107.00	Sst. & Sh. Intercalated.		
107.00	110.00	3.00	2.95	98.33	2.95	3.00	110.00	-do-		
110.00	113.00	3.00	3.00	100.00	1.90	1.90	111.90	-do-		
					0.70	0.70	112.60	Sst. Cgd.		
					0.40	0.40	113.00	Sh.		
113.00	116.00	3.00	3.00	100.00	1.60	1.60	114.60	CSh.		
					1.40	1.40	116.00	Sh. with aren Bands.		
116.00	119.00	3.00	3.00	100.00	1.65	1.65	117.65	Sgt. & Sh. Intercalated.		Tr.
					0.36	0.36	118.01	Sst. Mgd.		
					0.57	0.57	118.50	Sh.		
					0.42	0.42	119.00	Sgt. & Sh. Intercalated.		
119.00	122.00	3.00	2.97	99.00	0.21	0.21	119.21	-do-		
					0.19	0.19	119.40	Sh.		
					0.47	0.48	119.88	C O A L.		
					0.46	0.46	120.34	Sh. with C. Bands.		
					1.64	1.66	122.00	Sst. & Sh. Intercalated.		
122.00	125.00	3.00	3.00	100.00	0.45	0.45	122.45	-do-		
					0.25	0.25	122.70	Sst. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
125.00	125.00	3.00	2.38	90.00	1.04	1.04	123.74	Sst & Sh. Intercalated.		
128.00	131.00	3.00	3.00	100.00	1.26	1.26	125.00	Sh.		
					2.88	3.00	120.00	Sst. & Sh. Intercalated.		
					0.33	0.33	120.33	S.C.		
					0.33	0.33	128.66	Sst. Argill.		
					0.47	0.47	129.13	Sst. Cgd.		
					1.38	1.38	130.51	Sst. & Sh. Intercalated.		
					0.49	0.49	131.00	Sst. Mgd.		
131.00	134.00	3.00	3.00	100.00	3.00	3.00	134.00	Sst. & Sh. Intercalated.		
134.00	137.00	3.00	3.00	100.00	0.76	0.76	134.76	-do-		
					0.29	0.29	135.05	C O A L.		
					0.19	0.19	135.24	Sh. with C. Bands.		
					0.85	0.85	136.09	Sst. argill.		
					0.91	0.91	137.00	Sst. Mgd.		
137.00	140.00	3.00	3.00	100.00	3.00	3.00	140.00	Sst. Cgd. to Grit.		
140.00	143.00	3.00	3.00	100.00	3.00	3.00	143.00	-do-		
143.00	146.00	3.00	3.00	100.00	2.88	2.88	145.88	Grit.		
					0.12	0.12	146.00	M. P.		
					0.07	0.07	146.07	-do-		
146.00	149.00	3.00	3.00	100.00	0.35	0.35	146.42	Sst. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
149.00	152.00	3.00	3.00	100.00	0.11 0.33 0.38 0.11 0.42 1.06 0.59 0.62 0.16 1.63 0.21 2.73 0.80	0.11 0.33 0.38 0.11 0.42 1.06 0.59 0.62 0.16 1.63 0.22 2.78 0.80	146.70 147.03 147.41 147.52 147.94 149.00 149.59 150.21 150.37 152.00 152.22 155.00 155.00	Csh. (Baked). H. P. Csh. (Baked). Sst. (Baked). Sh, aren. Sst. & Sh. Intercalated. -do- Csh. COAL with Sst. Bands. Sst. argill. Sh. Sst. Argill. -do-		
152.00	155.00	3.00	2.94	98.00	1.63 0.21 2.73 0.80	1.63 0.22 2.78 0.80	152.00 152.22 155.00 155.00			
155.00	158.00	3.00	3.00	100.00	0.80	0.80	155.00			
158.00	161.00	3.00	2.97	99.00	0.80 1.21 0.19 0.62 2.35	0.80 1.21 0.19 0.63 2.37	156.60 157.81 158.00 158.63 161.00	Sh. with C. Streaks. Sst. argill. Sst. & Sh. Intercalated. Sst. ligd. with Sh. Bands. Sst. Cgd.		
161.00	164.00	3.00	2.97	99.00	2.97	3.00	164.00	-do-		
164.00	167.00	3.00	3.00	100.00	1.70 1.00	1.70 1.00	165.70 166.70	Sst. Cgd. to Grit. Sh. with aren Bands.		

1	2	3	4	5	6	7	8	9	10	11
167.00	170.00	3.00	2.95	98.33	0.30	0.30	167.00	Sh. with C. Streaks.		
					0.28	0.28	167.28	S.C.		
					0.41	0.42	167.70	Sh. with C. Bands.		
					0.39	0.40	168.10	C O A L.		
					0.31	0.31	168.41	Sh. with C. Streaks.		
					0.62	0.63	169.04	Sst. & Sh. Intercalated.		
					0.94	0.96	170.00	Sst. Mgd.		
170.00	173.00	3.00	3.00	100.00	0.60	0.60	170.60	Sh.		
					2.40	2.40	173.00	Sst. & Sh. Intercalated.		
173.00	176.00	3.00	3.00	100.00	1.10	1.10	174.10	-do-		
					1.90	1.90	176.00	Sst. Mgd.		
176.00	179.00	3.00	3.00	100.00	3.00	3.00	179.00	-do-		
179.00	182.00	3.00	2.96	98.66	1.44	1.46	180.46	Sst. Mgd to Sh. Bands.		
					0.63	0.63	181.04	Sst. & Sh. Intercalated.		
					0.90	0.91	182.00	Sst. Cgd.		
182.00	185.00	3.00	3.00	100.00	3.00	3.00	185.00	-do-		
185.00	188.00	3.00	3.00	100.00	0.72	0.72	185.72	-do-		
					0.56	0.56	186.28	Grit.		
					1.00	1.00	187.28	Sst. Cgd.		
					0.72	0.72	188.00	Grit.		

XVIII

1	2	3	4	5	6	7	8	9	10	11
191.00	194.00	3.00	2.99	99.66	0.45 1.32 1.23 1.05 0.29 0.42	0.45 1.32 1.24 1.05 0.29 0.42	189.68 191.00 192.24 193.29 193.58 194.00	Sst. Mgd. with Sh. Laminae. Sst. Cgd. -do- Sst. Mgd. Sst. & Sh. Intercalated. Sst. Mgd.		
194.00	197.00	3.00	3.00	100.00	0.90 2.10	0.90 2.10	194.90 197.00	-do- Sst. & Sh. Intercalated.		
197.00	200.00	3.00	3.00	100.00	1.15 1.00	1.15 1.00	198.15 199.15	Sh. with aren Bands. Sh.		
200.00	203.00	3.00	2.92	97.33	0.85 0.95 1.97	0.85 0.98 2.02	200.00 200.98 203.00	CSh. -do- C O A L.		
203.00	206.00	3.00	3.00	100.00	0.41 0.14 0.43 0.30 1.40 0.32	0.41 0.14 0.43 0.30 1.40 0.32	203.41 203.55 203.98 204.28 205.68 206.00	C O A L. Sh. C O A L. Sh. with C. Bands. Sst. & Sh. Intercalated. Sh.		XVIII C
206.00	209.00	3.00	3.00	100.00	0.07 2.93	0.07 2.93	206.07 209.00	-do- C O A L.		XVIII B

1	2	3	4	5	6	7	8	9	10	11
209.00	212.00	3.00	2.91	97.00	0.60	0.62	209.62	Sst. Mgd. with sh. Bands.		
					0.35	0.36	209.98	Sst. Mgd.		
					0.14	0.14	210.12	Sst. & Sh. Intercalated.		
					0.48	0.49	210.61	Sh.		
					0.84	0.86	211.47	Sst. & Sh. Intercalated.		
					0.50	0.53	212.00	Sst. Mgd. with Sh. Bands.		
212.00	215.00	3.00	2.93	97.66	0.38	0.39	212.39	Sh.		
					0.73	0.75	213.14	CSh.		
					0.07	0.07	213.21	S.C.		
					0.37	0.38	213.59	Sh.		
					0.23	0.23	213.82	CSh.		
					1.15	1.18	215.00	C O A L.		
215.00	218.00	3.00	2.90	96.66	0.64	0.66	215.66	C O A L.		
					0.57	0.59	216.25	Sh.		
					0.52	0.54	216.79	Sst. Fgd. with Sh. laminae.		
					0.72	0.74	217.53	Sh.		
					0.45	0.47	218.00	C O A L.		
218.00	221.05	3.05	3.01	98.68	1.41	1.43	219.43	C O A L.		

Local.

Sl. P.

Sr.

Sr.

XVIII
es.

1	2	3	4	5	6	7	8	9	10	11
221.95	223.70	1.75	1.73	98.85	0.53	0.54	222.49	Sst. Mgd.		
					0.64	0.65	223.14	Sst. & Sh. Intercalated.		
					0.30	0.30	223.44	Sst. Mgd.		
					0.26	0.26	223.70	Sst. & Sh. Intercalated, Sideritic.		
223.70	224.70	1.00	1.00	100.00	0.51	0.51	224.21	-do-		
					0.40	0.40	224.61	C O A L.		
					0.09	0.09	224.70	Sh.		Br.
224.70	225.85	2.15	1.92	89.30	1.64	1.44	226.54	C O A L.		
					0.28	0.31	226.85	CSH.		
226.85	229.85	3.00	3.00	100.00	0.19	0.19	227.04	S.C.		
					0.52	0.52	227.56	C O A L.		
					2.29	2.29	229.85	Sst. & Sh. Intercalated.		
229.85	230.75	0.90	0.90	100.00	0.55	0.55	230.40	C O A L.		Local Br.
					0.35	0.35	230.75	Sh, aren.		
230.75	232.65	1.90	1.90	100.00	1.90	1.90	232.65	Sst. & Sh. Intercalated.		
232.65	235.75	3.10	3.07	99.03	2.00	2.02	234.67	-do-		
					0.65	0.66	235.33	Sst. Mgd.		
					0.42	0.42	235.75	Sst. & Sh. Intercalated.		
235.75	238.75	3.00	2.93	97.66	2.00	2.04	237.79	-do-		
					0.16	0.16	237.95	Sst. Cgd.		
					0.09	0.09	238.04	Sh, aren.		

XVIII

1	2	3	4	5	6	7	8	9	10	11
238.75	241.75	3.00	2.87	95.66	0.23	0.24	238.28	U O A L.		
241.75	244.75	3.00	2.76	92.00	0.45	0.47	238.75	Sst. & Sh. Intercalated.		
					2.87	3.00	241.75	-do-		
					0.81	0.88	242.63	-do-		
					0.26	0.28	242.91	Sh.		
					0.23	0.25	243.16	CSH.		
					0.19	0.22	243.38	C O A L.		
					0.78	0.84	244.22	Sst. & Sh. Intercalated.		
					0.37	0.40	244.62	Sh. with C. Streaks.		
					0.12	0.13	244.75	C O A L.		
244.75	247.75	3.00	2.96	98.66	0.80	0.82	245.57	-do-		
					0.12	0.12	245.69	Sh.		
					2.04	2.06	247.75	Sst. Mg.		
247.75	250.75	3.00	3.00	100.00	0.65	0.65	248.40	Sst. & Sh. Intercalated.		
					0.16	0.16	248.56	C O A L.		
					0.35	0.35	248.91	Sh.		
					0.44	0.44	249.35	Sst. & Sh. Intercalated.		
					0.26	0.26	249.61	C O A L.		
					0.29	0.29	249.90	CSH.		

Local(L-6)

1	2	3	4	5	6	7	8	9	10	11
250.75	253.75	3.00	2.99	99.66	0.64	0.64	251.39	Sst. Argill.		
					2.35	2.36	253.75	Sst. & Sh. Intercalated.		
253.75	256.75	3.00	2.97	99.00	0.62	0.63	254.30	-do-		
					0.24	0.24	254.62	Sst. Mgd.		
					0.33	0.33	254.95	Sst. & Sh. Intercalated.		
					0.85	0.87	255.82	Sst. Mgd.		
					0.45	0.45	256.27	Sst. & Sh. Intercalated.		
					0.48	0.48	256.75	Sst. Mgd.		
256.75	259.75	3.00	2.89	96.33	0.51	0.52	257.27	Sst. Cgd.		
					1.00	1.04	258.31	Sh. aren.		
					1.30	1.44	259.75	Sst. Cgd.		
259.75	262.75	3.00	3.00	100.00	3.00	3.00	262.75	-do-		
262.75	265.75	3.00	3.00	100.00	3.00	3.00	265.75	Sst. Cgd with Pebbles.		
265.75	268.75	3.00	2.88	96.00	1.48	1.55	267.30	-do-		
					0.56	0.58	267.88	Sst. & Sh. Intercalated.		
					0.84	0.87	268.75	C O A L.		
268.75	270.65	1.90	1.80	94.73	0.28	0.30	269.05	S.C.		
					1.52	1.60	270.65	Sh.		
270.65	271.65	1.00	0.96	96.00	0.16	0.17	270.62	-do-		
					0.00	0.08	270.90	C O A L.		
					0.72	0.75	271.65	Sst. Argill.		

Local(L-7)

1	2	3	4	5	6	7	8	9	10	11
271.65	273.70	2.05	2.05	100.00	2.05	2.05	273.70	Sst. & Sh. Intercalated.		
273.70	276.70	3.00	2.93	97.66	2.93	3.00	276.70	Sh. with aren Bands.		
276.70	279.70	3.00	2.93	97.66	2.05	2.10	278.80	-do-		
					0.32	0.33	279.13	Sst. Mgd.		
					0.56	0.57	279.70	Sst. & Sh. Intercalated.		
279.70	282.70	3.00	2.98	99.33	0.14	0.14	279.84	Sst. Mgd.		
					0.43	0.43	280.27	Sst. & Sh. Intercalated.		
					0.38	0.38	280.65	Sst. Mgd.		
					0.28	0.28	280.93	Sst. & Sh. Intercalated.		
					0.60	0.61	281.54	Sst. Mgd.		
					1.15	1.16	282.70	Sst. & Sh. Intercalated.		
282.70	283.60	0.90	0.89	98.00	0.89	0.90	283.60	-do-		
283.60	286.60	3.00	2.97	99.00	0.95	0.96	284.56	-do-		
					0.65	0.65	285.21	Sst. Mgd.		
					1.37	1.39	286.60	Sst. & Sh. Intercalated.		
286.60	289.60	3.00	2.96	98.66	1.35	1.37	287.97	-do-		
					0.18	0.18	288.15	Sst. Cgd.		
					1.10	1.12	289.27	Sst. & Sh. Intercalated.		
					0.33	0.33	289.60	Sst. fgd.		

1	2	3	4	5	6	7	8	9	10	11
292.60	295.60	3.00	2.90	96.66	1.48	1.51	292.60	Sst. Mgd.		
					0.72	0.74	293.34	-do-		
					0.21	0.22	293.56	S.C.		
					1.06	1.09	294.65	C O A L.		
					0.15	0.16	294.81	Sh.		
					0.76	0.79	295.60	C O A L.		
295.60	296.60	3.00	2.94	98.00	2.76	2.81	296.41	C O A L.		
					0.18	0.19	298.60	S.C.		
298.60	299.20	0.60	0.60	100.00	0.60	0.60	299.20	C O A L.		
299.20	302.20	3.00	2.97	99.00	1.24	1.25	300.45	C O A L.		
					1.73	1.75	302.20	Sst. & Sh. Intercalated.		
302.20	305.20	3.00	2.98	99.33	2.48	2.50	304.70	Sst. Mgd.		
					0.45	0.45	305.15	Sst. & Sh. Intercalated.		
					0.05	0.05	305.20	Grit.		
305.20	307.75	2.55	2.52	98.02	1.25	1.27	306.47	-do-		
					0.32	0.32	306.79	Sh.		
					0.95	0.96	307.75	Sst. & Sh. Intercalated.		
307.75	310.75	3.00	2.84	74.66	0.05	1.15	308.90	Sh. with Aren bands.		
					0.26	0.34	309.24	Sst. Mgd.		
					0.69	0.93	310.17	Sst. Mgd. with Sh. bands.		

XVII A

Br.

1	2	3	4	5	6	7	8	9	10	11
310.75	313.75	3.00	3.00	100.00	0.24	0.32	310.49	Sst. Cgd.		
					0.20	0.26	310.75	Sst. & Sh. Intercalated.		
					1.52	1.52	312.27	-do-		
					0.26	0.26	312.53	Sst. Cgd.		
					0.36	0.36	312.09	Sst. & Sh. Intercalated.		
					0.86	0.86	313.75	Sst. Cgd.		
313.75	316.75	3.00	2.98	99.33	0.06	0.06	314.63	-do-		
					2.06	2.06	316.69	Grit.		
					0.06	0.06	316.75	Sst. & Sh. Intercalated.		
316.75	319.75	3.00	3.00	100.00	1.02	1.02	318.57	-do-		
					0.34	0.34	310.91	Sh. (Sideritic).		
					0.04	0.04	319.75	Sst. & Sh. Intercalated.		
319.75	322.75	3.00	2.94	98.00	1.21	1.23	320.98	-do-		
					0.58	0.60	321.58	Sst. Mgâ. with Ah. Igminae.		
					0.57	0.58	322.16	Sst. & Sh. Intercalated.		
					0.06	0.06	322.24	Sh.		
					0.50	0.51	322.75	C O A L.		
322.75	325.75	3.00	3.00	100.00	0.20	0.20	322.95	J. H.		
					0.16	0.16	323.11	CSh. (Baked).		
					0.32	0.32	323.43	Sst. & Sh. Intercalated.		

Local

Fr,

1	2	3	4	5	6	7	8	9	10	11
325.75	328.75	3.00	2.98	99.33	0.63	0.63	324.80	Sst. & Sh. Intercalated.		
					0.35	0.35	325.15	Sh. (Baked).		
					0.20	0.20	325.35	M. P.		
					0.40	0.40	325.75	J. H.		
					1.86	1.88	327.63	C O A L.		
					0.64	0.64	328.27	J. H.		
					0.48	0.48	328.75	M. P.		
328.75	331.75	3.00	3.00	100.00	0.26	0.26	329.01	J. H.		
					0.15	0.15	329.16	M. P.		
					0.12	0.12	329.28	Sh.		
					2.38	2.38	331.66	Sst. & Sh. Intercalated.		
					0.09	0.09	331.75	Sst. Mgd.		
331.75	334.75	3.00	2.94	90.00	1.43	1.45	333.20	-do-		
					0.16	0.17	333.37	Sst. & Sh. Intercalated.		
					1.15	1.17	334.54	Sst. Mgd.		
					0.20	0.21	334.75	Sh.		
334.75	337.75	3.00	3.00	100.00	0.80	0.80	335.55	Sst. & Sh. Intercalated.		
					0.90	0.90	336.45	Sst. Mgd.		
					0.38	0.38	336.83	M. P.		
					0.92	0.92	337.75	Sst. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
337.75	340.75	3.00	2.93	97.66	2.69	2.75	340.50	Sst. Cgd.		
					0.24	0.25	340.75	Sst. Mgd.		
340.75	342.75	2.00	2.00	100.00	2.00	2.00	342.75	Sst. Cgd.		
342.75	344.10	1.35	1.35	100.00	0.18	0.18	342.93	-do-		
					0.09	0.09	343.02	Sh.		
					1.08	1.00	344.10	Sst. Mgd. with Sh. Bands.		
344.10	347.10	3.00	3.00	100.00	0.92	0.92	345.02	Sst. & Sh. Intercalated.		
					0.32	0.32	345.34	W. P.		
					1.76	1.76	347.10	Sst. & Sh. Intercalated.		
347.10	350.10	3.00	3.00	100.00	1.60	1.68	348.78	Sst. Argill.		
					0.68	0.68	349.46	Sst. Mgd. with Sh. Bands.		
					0.42	0.42	349.88	C O A L.		
					0.22	0.22	350.10	Sst. & Sh. Intercalated.		
350.10	353.10	3.00	3.00	100.00	0.37	0.37	350.47	-do-		
					0.11	0.11	350.58	Sst. Cgd.		
					1.19	1.19	351.77	Sh.		
					0.33	0.33	352.10	Sst. Argill.		
					0.11	0.11	352.21	M. P.		
					0.89	0.89	353.10	Sst. Mgd.		

Br.

1	2	3	4	5	6	7	8	9	10	11
355.10	356.40	1.30	1.29	99.23	0.33	0.33	354.18	Sh. (Baked).		
					0.09	0.09	354.27	M. P.		
					0.32	0.32	354.59	Sh. (Baked).		
					0.32	0.32	354.91	M. P.		
					0.19	0.19	355.10	Sh. (Baked).		
					0.13	0.13	355.23	Sh. with C Bands.		
					0.76	0.77	356.00	J. H.		
					0.40	0.40	356.40	Sst. Cgd.		
356.40	358.00	1.60	1.60	100.00	0.35	0.35	356.75	Sh.		
					0.12	0.12	356.87	M. P.		
					0.09	0.09	356.96	Sh.		
					0.63	0.63	357.59	Sst. Mgd. with Sh. laminae.		
					0.41	0.41	358.00	Sst. Mgd.		
358.00	359.00	1.00	0.95	95.00	0.05	0.05	358.05	-do-		
					0.32	0.34	358.39	Sst. & Sh. Intercalated.		
359.00	362.00	3.00	3.00	100.00	0.58	0.61	359.00	Sst. Mgd. with Sh. laminae.		
362.00	365.00	3.00	2.96	98.66	2.53	2.56	362.00	-do-		
					0.43	0.44	364.56	-do-		
365.00	368.00	3.00	3.00	100.00	1.66	1.66	365.00	Sst. & Sh. Intercalated.		
					1.34	1.34	366.66	-do-		
							368.00	Sh. with aren Bands.		

Local(L-5)

Br.

Fr, Sl

1	2	3	4	5	6	7	8	9	10	11
366.00	368.20	0.20	0.20	100.00	0.20	0.20	368.20	sh. with aren Bands.		
368.20	368.70	0.50	0.20	40.00	0.20	0.50	368.70	Sst. Cgd.		
368.70	369.20	0.50	0.41	22.00	0.41	0.50	369.20	-do-		
369.20	370.20	1.00	0.52	52.00	0.52	1.00	370.20	-do-		
370.20	370.70	0.50	0.48	96.00	0.48	0.50	370.70	Sst. Mgd.		Tr.
370.70	371.25	0.55	0.50	90.90	0.50	0.55	371.25	-do-		Br.
371.25	371.60	0.45	0.38	95.00	0.38	0.45	371.60	Sst. & Sh. Intercalated.		Br.
371.60	372.50	0.90	0.87	96.66	0.87	0.90	372.50	sh.		
372.50	375.55	3.05	3.05	100.00	0.36	0.36	372.86	Jhama.		
					0.12	0.12	372.98	sh.		
					1.88	1.88	374.86	Jhama.		
					0.69	0.69	375.55	Sh.		
375.55	376.50	0.95	0.64	67.36	0.64	0.95	376.50	-do-		
376.50	378.75	2.25	2.25	100.00	1.41	1.41	377.91	-do-		
					0.84	0.84	378.75	Sst. & Sh. Intercalated.		
378.75	380.75	2.00	1.81	90.50	0.35	0.39	379.14	-do-		
					0.76	0.84	379.96	Sh. with aren Bands.		
					0.10	0.11	380.09	J. H.		
					0.60	0.66	380.75	CSH.		
380.75	381.65	1.10	1.05	95.45	0.90	0.94	381.69	Sh.		

Local(L-4)

1	2	3	4	5	6	7	8	9	10	11
381.85	384.85	3.00	2.81	93.66	0.02	0.88	382.73	J. H.	Local(L-3)	
					0.35	0.37	383.10	Sh, aren.		
					0.36	0.38	383.48	Sh.		
384.85	387.85	3.00	3.00	100.00	1.28	1.37	384.85	Sst. Argill.		
					0.90	0.90	385.75	Sst. Fgd. with Sh. Bands.		
387.85	390.90	3.05	3.05	100.00	2.10	2.10	387.85	Sst. Cgd.		
					3.05	3.05	390.90	Grit to Sst. Cgd.		
390.90	393.95	3.05	2.97	97.37	2.97	3.05	393.95	Sst. Cgd.		
393.95	396.95	3.00	3.00	100.00	0.37	0.37	394.32	-do-		
					0.81	0.81	395.13	Grit.		
					1.82	1.82	396.95	Sst. Cgd.		
396.95	400.00	3.05	2.91	95.40	0.75	0.79	397.74	-do-		
					0.25	0.25	397.99	Grit.		
					0.82	0.88	398.87	Sst. Cgd.		
					0.80	0.82	399.69	Thama.		
					0.29	0.31	400.00	Sh.		
400.00	401.65	1.65	1.58	95.75	0.75	0.78	400.18	Sh.		
					0.48	0.50	401.28	M. P.		
					0.35	0.37	401.65	J. H.		
401.65	403.00	1.35	1.35	100.00	0.73	0.73	402.38	Sh.		
					0.62	0.62	403.00	J. H.		

XVI d/E

Local.

1	2	3	4	5	6	7	8	9	10	11
403.00	406.00	3.00	3.00	100.00	1.53	1.53	404.53	Sh.		
					0.16	0.16	404.69	J. H.		
					0.22	0.22	404.91	Sh.		
					0.72	0.72	405.63	Sst. Cgd.		
					0.16	0.16	405.79	Sh.		
					0.14	0.14	405.93	Sst. Cgd.		
					0.07	0.07	406.00	Sh.		
406.00	409.05	3.05	3.05	100.00	1.93	1.93	407.93	Sh, aren.		
					0.58	0.58	408.51	Sst. & Sh. Intercalated.		
					0.54	0.54	409.05	Sst. Mgd. with Sh. Bands.		
409.05	412.10	3.05	3.03	99.01	0.70	0.71	409.76	-do-		
					2.33	2.34	412.10	Sh. with aren Bands.		
412.10	413.90	1.80	1.79	99.44	1.79	1.80	413.90	Sh.		
413.90	415.15	1.25	1.18	94.40	0.91	0.96	414.86	Sh.		
					0.17	0.29	415.15	Sst. Argill.		
415.15	418.20	3.05	3.05	100.00	1.72	1.72	416.87	-do-		
					1.33	1.33	418.20	Sst. Cgd.		
418.20	421.20	3.00	3.00	100.00	3.00	3.00	421.20	-do-		
421.20	424.20	3.00	3.00	100.00	0.44	0.44	421.64	-do-		

1	2	3	4	5	6	7	8	9	10	11
424.20	427.20	3.00	3.00	100.00	3.00	3.00	427.20	Sst. Cgd.		
427.20	430.20	3.00	2.97	99.00	2.97	3.00	430.20	-do-		
430.20	433.25	3.05	3.05	100.00	2.40	2.40	432.60	-do-		
					0.20	0.28	432.88	Sst. & Sh. Intercalated.		
					0.37	0.37	433.25	Sst. Cgd.		
433.25	436.30	3.05	3.05	100.00	0.56	0.56	433.61	-do-		
					0.67	0.67	434.48	Sst. ARGILL.		
					0.93	0.93	435.41	Sh.		
436.30	439.30	3.00	3.00	100.00	0.69	0.69	436.30	Sst. Cgd.		
439.30	442.30	3.00	3.00	100.00	3.00	3.00	439.30	-do-		
					2.08	2.08	441.30	-do-		
					0.92	0.92	442.30	Jhana.		
442.30	445.20	2.90	2.90	100.00	2.90	2.90	445.20	-do-		
445.20	448.20	3.00	3.00	100.00	0.90	0.90	446.10	-do-		
					2.10	2.10	446.20	Sh.		
446.20	449.70	0.50	0.56	100.00	0.50	0.50	448.70	Sst. ARGILL.		
448.70	451.75	3.05	3.05	100.00	0.94	0.94	449.64	-do-		
					2.11	2.11	451.75	Sst. Cgd.		
451.75	454.75	3.00	2.84	94.66	0.99	0.93	452.63	-do-		
					1.60	1.69	454.31	Grit.		
					0.35	0.30	454.75	Csh.		

XVI C

Fr, Sl

Fr, Br

Br, Fr

Br, Fr

Br, Fr

Fr, Sl

Fr, Br

Sl, Fr

1	2	3	4	5	6	7	8	9	10	11
454.75	457.75	3.00	2.92	97.33	1.48	1.52	456.27	Sst. Artill.		Fr, Sl.
					0.64	0.66	456.93	Sh.		
					0.60	0.62	457.55	Sst. Cgd.		
					0.20	0.20	457.75	Sh.		
457.75	460.75	3.00	2.97	99.00	1.25	1.26	459.01	-do-		Fr, Sl.
					1.72	1.74	460.75	J. H.		Br, Fr.
460.75	463.75	3.00	2.87	95.66	0.20	0.22	460.97	-do-		Fr, Br,
					2.25	2.34	463.31	Sh.		Fr, Br,
					0.42	0.44	463.75	J. H.		
463.75	466.75	3.00	2.88	96.00	1.12	1.17	464.92	Sh.		Fr, Br,
					0.28	0.29	465.21	Sst. Fgd.		
					1.24	1.27	466.46	Sst. & Sh. Intercalated,		
					0.24	0.27	466.75	Sh.		Br.
466.75	467.35	0.60	0.58	96.66	0.50	0.60	467.35	-do-		Br.
467.35	469.35	2.00	2.00	100.00	0.72	0.72	469.07	Sst. Cgd.		
					0.50	0.50	469.57	Sh.		Fr, Br,
					0.23	0.23	469.80	Sst. Cgd.		
					0.55	0.55	469.35	Sh.		Br, Fr,
469.35	472.00	2.65	1.52	57.35	0.21	0.37	469.72	-do-		Fr, Sl,

Local.

1	2	3	4	5	6	7	8	9	10	11
472.00	475.05	3.05	2.97	99.00	0:90	1.57	471.72	Sh. with cryite		Br, Fr
475.05	478.05	3.00	3.00	100.00	0.16	0.28	472.00	C O A L.	XVI 4/B	
					2.97	3.05	475.05	C O A L. + Sideritic	Sh. mixed.	Fr, Si
					0.29	0.29	475.34	Sh.		
479.05	479.05	1.00	0.96	96.00	1.95	1.95	477.29	Jhama.		
479.05	479.25	0.20	0.20	100.00	0.76	0.76	478.05	Csh.		
479.25	482.25	3.00	3.00	100.00	0.96	1.00	479.05	Csh, Jh.		Fr, Si
					0.20	0.20	479.25	J. H. + Sh.		Fr.
					0.41	0.41	479.66	J. H.		Fr, S
					1.05	1.05	480.71	Sh.		Fr, S
					0.35	0.35	481.06	--do--		Fr, S
					0.15	0.15	481.21	J. H.		Fr, S
					0.35	0.35	481.56	Sh.		
					0.10	0.10	481.66	J. H.		
					0.45	0.45	482.11	Sh.		
					0.14	0.14	482.25	J. H.		
482.25	485.25	3.00	2.94	90.00	0.23	0.24	483.00	Sh.		Fr, S
					0.15	0.15	483.95	J. H.		
					1.00	1.02	484.97	Sh.		
					0.28	0.28	485.25	J. H.		

Local

BORERHOLE NO. : MB - 10.

II/1161

1	2	3	4	5	6	7	8	9	10	11
485.25	487.25	2.00	1.97	.50	0.53	0.54	485.79	Sh.		
					0.25	0.25	486.04	J.H.		
					0.26	0.26	486.30	Sh.		
					0.93	0.95	487.25	J.H.		
487.25	488.25	1.00	0.98	90.00	2.90	1.00	488.25	J.H.		
488.25	491.25	3.00	3.00	100.00	0.56	0.56	488.81	Sh.		
					0.41	0.41	489.22	J.H.		
					0.11	0.11	489.33	Sh.		
					1.60	1.6	490.93	J.H.		
					0.22	0.22	491.15	Sh.		
					0.10	0.1	491.25	J.H.		
491.25	491.75	0.50	0.50	00.00	0.20	0.2	491.45	Sh.		
					0.30	0.3	491.75	J.H.		

Local.

XVI

Fr., Sl.,

Fr., Sl.,

BORERHOLE CLOSED AT THE DEPTH OF 491.75 FEET ON 9.1.1981.

DETAILS OF COAL SEAMS ENCOUNTERED IN BOREHOLE NO. MB - 10.

(DEPTH OF COAL SEAMS CORRECTED AS PER ANALYSIS)

Seam No.	From (m.)	To (m.)	Thickness (m.)	Remarks
Local	167.70	168.80	0.40	
XVIII C	200.93	203.93	3.00	
XVIII B	206.07	209.00	2.93	
Local	213.52	215.66	2.64	
XVIII A	217.60	219.43	1.83	
XVIII	224.21	227.56	3.35	
Local	229.55	230.40	0.55	
Local (1-8)	244.62	245.21	0.59	
Local (1-7)	267.88	268.75	0.87	
XVII A	293.34	300.45	7.11	
Local	322.24	322.95	0.71	
XVII	325.15	329.16	4.01	Th. M.P.
Local (1-5)	355.23	356.00	0.77	
Local (1-4)	372.50	374.86	2.36	
Local (1-3)	381.69	382.7	1.4	
Local	402.38	403.00	0.62	Th. M.P.
XVII C	441.38	446.70	4.72	Th. M.P.
Local	459.01	460.97	1.96	
XVI A/B	471.72	475.05	3.33	
Local	482.54	483.56	1.02	
Local	486.30	488.25	1.95	
XVI	488.8	494.75	5.95	Th. M.P.

To be Scanned from Page III/1 to III/4)

APPENDIX - III

IND

III/1

SUMMARISED BOREHOLE WISE STATEMENT OF THICKNESS OF SOIL/WEATHERED ZONE & DIFFERENT STRATIGRAPHIC UNITS INTERSECTED IN BOREHOLES DRILLED BY MCEL IN MADHUBAND UNDERGROUND BLOCK, JHARIA COAL FIELD, DISTRICT : DHANBAD, BIHAR.

B. H. No.	R. L. (m.)	Soil	T H I C K N E S S (m.)				Total Depth (m.)
			Weathered Zone	B A R R E N M E A S U R E		Barekat	
1	2	3	4	5		6	7
MD-1	196.82	6.00	2.00	-			295.95
MD-2	200.05	3.10	-	-			273.10
MD-4	201.27	6.00	3.00	-			394.00
MD-5	198.67	5.00	2.00	-			357.75
MD-8	214.71	10.00	6.00	143.31			678.40
MD-10	213.72	9.00	1.00	-			517.75
MD-12	195.68	6.00	4.65	-			466.80
MD-14	212.19	5.00	2.00	-			582.00
MD-15	196.34	5.00	0.60	-			459.10
MD-16	192.50	4.00	2.00	-			471.70

118.75

129.65

1	2	3	4	5	6	7
MD-19	200.56	1.00	-	-	332.80	333.80
MD-21	195.11	5.00	2.50	-	498.30	505.80
MD-22	204.23	3.50	-	-	419.65	423.15
MD-23	194.18	5.00	2.00	-	480.10	487.10
MD-28	197.22	4.00	2.40	-	470.35	485.25
MD-29	212.41	7.00	2.00	-	334.55	343.55
MD-30	217.59	5.00	1.00	-	344.40	350.40
MD-31	191.91	5.00	2.20	-	424.80	492.00
MD-32	186.57	4.00	2.00	-	166.25	172.25
MD-33	194.48	6.00	1.65	-	172.00	179.65
MD-34	184.36	3.40	-	-	170.60	174.00
MD-35	190.81	4.00	2.00	-	276.90	282.90
MD-36	181.68	9.00	2.70	-	119.70	131.40
MD-37	188.29	7.00	1.00	-	106.55	114.55
MD-38		3.50	1.50	-	205.55	205.55

1	2	3	4	5	6	7
MB-1	209.25	7.00	2.00	123.03	527.72	665.60
MB-2	211.36	5.35	1.00	257.42	263.42	551.90
MB-3	199.43	9.00	3.55	136.43	550.02	707.00
MB-4	219.65	4.00	1.50	279.05	437.55	772.90
MB-5	203.04	3.70	-	167.63		
MB-6	193.64	3.40	-	201.43	412.92	617.30
MB-7	191.45	6.00	3.00	19.33	536.77	556.15
MB-8	109.01	5.00	-	-	501.35	506.35
MB-9	109.56	5.00	1.10	105.72	563.13	630.00
MB-10	195.95	6.50	1.50	-	433.75	491.75
SD-1	100.92	6.00	0.20	-	491.10	497.30
SD-3	177.26	5.00	3.00	-	453.90	461.90
SD-4	195.64	6.00	2.20	-	461.05	469.25
SD-5	190.79	5.00	1.00	-	435.70	491.70

1	2	3	4	5	6	7
FB-1	217.01	3.00	-	349.70	534.70	886.80
FB-2	227.66	9.00	1.00	293.64	500.96	804.60
FB-3	207.02	5.00	1.00	400.59	273.91	768.50
DM-1	190.05	5.50	0.60	-	213.70	219.80

RI2/11/03H

complete

II/1163.

BOREHOLE NO. : PB - 1.

Latitude : 19790.3233
Departure : 25160.1559

R. L. of Collar : 217.016 m.
Depth drilled : 886.80 m.

Commenced on : 17.5.197
Completed on : 30.4.197

All dimensions in metre

From	To	Thickness	Recovery	Per-	Reco-	THICKNESS	Extra-	Depth	L I T H O L O G Y	Seam	Structur
			vered.	cent.	vered.		olated.	Floor		Corre-	Features
1	2	3	4	5	6	7	8	9	10	11	
0.00	3.00	3.00	-	-	-	-	-	3.00	Sandy Soil/Weathered Zone.		
3.00	6.00	3.00	0.50	16.66	0.50	3.00	6.00	6.00	Sst. Fgd.		
6.00	9.00	3.00	0.94	31.33	0.94	3.00	9.00	9.00	Sst. & Sh. Intercalated.		
9.00	13.00	4.00	1.10	27.50	1.10	4.00	13.00	13.00	-do-		
13.00	16.05	3.05	3.05	100.00	3.05	3.05	16.05	16.05	-do-		
16.05	19.10	3.05	3.00	98.36	3.00	3.05	19.10	19.10	Sh, aren.		
19.10	22.10	3.00	2.82	94.00	0.73	0.77	19.87	19.87	Sst. Fgd. to Sst. Mgđ.		
					1.00	1.08	20.95	20.95	Sh.		
					0.75	0.80	21.75	21.75	Sst. Fgd.		
					0.34	0.35	22.10	22.10	Sst. & Sh. Intercalated.		
22.10	23.30	1.20	1.10	91.66	0.85	0.93	23.03	23.03	Sst. Fgd. with Sh. Bands.		Fr. at
					0.25	0.27	23.30	23.30	Sst. Fgd. to Sst. Mgđ.		
23.30	26.05	2.75	2.75	100.00	2.75	2.75	26.05	26.05	-do-		

1	2	3	4	5	6	7	8	9	10	11
29.05	32.10	3.05	2.93	97.70	0.46	0.47	29.52	-do-		Core Dr
					0.32	0.33	29.65	Sst. Mgd.		
					0.60	0.61	30.46	Sh, aren.		
					1.60	1.64	32.10	Sst. & Sh. Intercalated.		
32.10	35.10	3.00	3.00	100.00	2.32	2.52	34.92	Sh, aren.		
					0.18	0.18	35.10	Sst. & Sh. Intercalated.		
35.10	38.10	3.00	2.93	97.66	0.98	1.00	36.10	-do-		
					1.00	1.03	37.13	Sh, aren.		
					0.70	0.72	37.85	Sst, Mgd.		
					0.25	0.25	38.10	Sh, aren.		
38.10	41.15	3.05	3.05	100.00	3.05	3.05	41.15	-do-		
41.15	44.15	3.00	2.95	90.33	0.56	0.57	41.72	-do-		
					0.30	0.30	42.02	Sst. Fgd.		
					1.60	1.63	43.65	Sh, aren.		
					0.49	0.50	44.15	Sst. Fgd. to Sst. Mgd.		
44.15	47.20	3.05	3.00	90.36	3.00	3.05	47.20	Sst. Fgd. with Sh. Laminæ.		
47.20	50.30	3.10	3.10	100.00	1.90	1.90	49.10	-do-		
					1.20	1.20	50.30	Sh, aren.		

1	2	3	4	5	6	7	8	9	10	11
50.30	53.30	3.00	3.00	100.00	3.00	3.00	53.30	Sh, aren.		
53.30	55.10	1.80	1.80	100.00	1.80	1.80	55.10	-do-		
55.10	58.10	3.00	3.00	100.00	3.00	3.00	58.10	Sst. & Sh. Intercalated.		
58.10	61.20	3.10	3.05	98.38	3.05	3.10	61.20	-do-		
61.20	64.30	3.10	3.06	98.70	2.20	2.23	63.43	Sh.		
64.30	67.35	3.05	3.05	100.00	0.86	0.87	64.30	Sst. Fgd. with Sh. Laminae.		
					2.02	2.02	66.32	Sh, aren.		
					1.03	1.03	67.35	Sst. Fgd to sst. Mgd.		
67.35	70.45	3.10	3.10	100.00	0.22	0.22	67.57	Sh.		
					2.88	2.88	70.45	Sst. Fgd. to Sst. Mgd.		
70.45	73.50	3.05	3.02	99.01	3.02	3.05	73.50	Sst. Mgd.		
73.50	76.55	3.05	3.05	100.00	1.60	1.60	75.10	-do-		
					1.45	1.45	76.55	Sst. Fgd. with Sh. Laminae.		
76.55	79.60	3.05	3.05	100.00	0.89	0.89	77.44	Sh, aren.		
					1.33	1.33	78.77	Sst. Fgd.		
					0.83	0.83	79.60	Sst. & Sh. Intercalated.		
79.60	82.70	3.10	3.10	100.00	3.10	3.10	82.70	-do-		
82.70	85.75	3.05	3.05	100.00	0.58	0.58	83.28	-do-		
					1.27	1.27	84.55	Sst. Mgd.		

Core dip

1	2	3	4	5	6	7	8	9	10	11
85.75	88.80	3.05	3.00	98.36	3.00	3.05	88.80	Sst. & Sh. Intercalated.		Core Dip 11
88.80	91.10	2.30	2.30	100.00	0.50	0.50	89.30	Sh, aren.		
					1.80	1.80	91.10	Sst. Pgd. to Sst. Mgd.		
91.10	92.95	1.85	1.85	100.00	1.85	1.85	92.95	-do-		
92.95	93.05	0.10	0.09	90.00	0.09	0.10	93.05	Sst. Tgd.		
93.05	95.25	2.20	2.20	100.00	2.20	2.20	95.25	Sst. & Sh. Intercalated.		
95.25	98.35	3.10	3.05	98.38	3.05	3.10	98.35	Sst. Mgd. with Sh. Bands.		
98.35	101.00	2.65	2.60	98.11	1.24	1.26	99.61	Sh, aren.		
					1.36	1.39	101.00	Sst. Mgd.		
101.00	104.10	3.10	3.10	100.00	1.22	1.22	102.22	-do-		Core Dip 10
					1.05	1.06	103.30	Sst. & Sh. Intercalated.		
					0.80	0.80	104.10	Sh, aren.		
104.10	106.95	2.85	2.85	100.00	2.57	2.57	106.67	-do-		
					0.28	0.28	106.95	Sh.		
106.95	109.95	3.00	3.00	100.00	0.17	0.17	107.12	-do-		
					2.83	2.83	109.95	Sst. Mgd.		
109.95	113.00	3.05	3.00	99.34	3.03	3.05	113.00	Sst. & Sh. Intercalated.		
113.00	116.10	3.10	2.39	77.09	1.14	1.35	114.35	-do-		
					1.25	1.75	116.10	Sst. Mgd.		
116.10	118.95	2.85	2.85	100.00	0.44	0.44	116.54	-do-		

1	2	3	4	5	6	7	8	9	10	11
141.20	142.90	1.70	1.55	91.17	0.50	0.55	141.75	Sh.		
					0.60	0.66	142.41	Sh, aren.		
					0.45	0.49	142.90	Sst, Mgd.		
142.90	145.80	2.90	2.05	98-27	2.85	2.90	145.80	Sst. & Sh. Intercalated.		
145.00	147.95	2.15	2.15	100.00	1.75	1.75	147.55	-do-		
					0.40	0.40	147.95	Sst, Mgd.		
147.95	151.00	3.05	3.05	100.00	0.33	0.33	148.28	-do-		
					2.72	2.72	151.00	Sst. & Sh. Intercalated.		
151.00	152.45	1.45	1.45	100.00	1.45	1.45	152.45	Sst, Mgd.		
152.45	154.60	2.15	2.15	100.00	1.99	1.99	154.44	-do-		
					0.16	0.16	154.60	Sst. & Sh. Intercalated.		
154.60	156.25	1.65	1.62	98.18	1.62	1.65	156.25	-do-		
156.25	157.45	1.20	1.18	98.33	0.58	0.59	156.84	-do-		
					0.60	0.61	157.45	Sh, aren.		
157.45	158.10	0.65	0.65	100.00	0.50	0.50	157.95	-do-		
					0.15	0.15	158.10	Sst. & Sh. Intercalated.		
158.10	161.10	3.00	2.99	99.66	2.99	3.00	161.10	-do-		
161.10	164.15	3.05	3.05	100.00	0.60	0.60	161.70	Sh, aren.		
					2.45	2.45	164.15	Sst, Mgd.		
164.15	167.15	3.00	3.00	100.00	3.00	3.00	167.15	-do-		
167.15	170.15	3.00	2.70	92.66	1.66	1.70	168.93	Sst. Mgd. to Sst. Cgd.		

1	2	3	4	5	6	7	8	9	10	11
195.75	190.85	3.10	3.10	100.00	0.18	0.18	195.46	Sh, aren.		
190.05	201.95	3.10	3.10	100.00	0.29	0.29	195.75	Sst. Fgd.		
					3.10	3.10	198.85	Sst. & Sh. Intercalated.		
					1.85	1.85	203.80	-do-		
					1.25	1.25	201.95	Sst. Fgd. to Sst. Mgd.		Core Dip
201.95	205.05	3.10	3.10	100.00	1.85	1.85	203.80	Sst. & Sh. Intercalated.		
					1.25	1.25	205.05	Sst. Mgd.		
205.05	208.15	3.10	3.10	100.00	3.10	3.10	208.15	Sst. Fgd. to Sst. Mgd. with Sh. layer.		
208.15	211.15	3.00	3.00	100.00	3.00	3.00	211.15	Sst. Fgd. with Sh. layer.		
211.15	214.25	3.10	3.10	100.00	2.10	2.10	213.25	Sst. & Sh. Intercalated.		Core Dip
					1.00	1.00	214.25	Sst. Mgd.		
214.25	217.25	3.00	3.00	100.00	3.00	3.00	217.25	Sst. & Sh. Intercalated.		
217.25	220.30	3.05	3.05	100.00	1.50	1.50	218.75	Sh, aren.		
					1.55	1.55	220.30	Sst. & Sh. Intercalated.		
220.30	222.70	2.40	2.40	100.00	1.42	1.42	221.72	Sst. Fgd. with Sh. layer.		
					0.60	0.60	222.40	Sst. & Sh. Intercalated.		
					0.30	0.30	222.70	Sst. Mgd.		
222.70	225.75	3.05	3.05	100.00	3.05	3.05	225.75	Sst. Fgd. to Sst. Mgd. with Sh. layer. Core D		
225.75	228.05	3.10	3.10	100.00	3.10	3.10	228.85	Sst. & Sh. Intercalated.		
228.05	231.95	3.10	3.09	99.67	0.52	0.52	229.37	-do-		
					0.90	0.90	230.27	Sst. Fgd.		

1	2	3	4	5	6	7	8	9	10	11
231.95	232.30	0.35	0.34	97.14	1.67	1.68	231.95	Sst. & Sh. Intercalated.		
232.30	235.40	3.10	3.10	100.00	0.34	0.35	232.30	-do-		
235.40	236.25	2.05	2.79	97.89	3.10	3.10	235.40	-do-		
					0.91	0.93	236.33	-do-		
					0.68	0.69	237.02	Sst. Cgd.		
236.25	241.15	2.90	2.44	97.93	1.20	1.23	238.25	Sst. & Sh. Intercalated.		
					1.36	1.39	239.64	-do-		
241.15	244.25	3.10	3.10	100.00	1.48	1.51	241.15	Sst. Cgd.		
					0.30	0.30	241.45	-do-		
244.25	246.75	2.50	2.50	100.00	2.80	2.80	244.25	Sst. & Sh. Intercalated.		
					1.50	1.50	245.75	-do-		
					1.00	1.00	246.75	Sh.		Sl.
246.75	247.05	0.30	3.0	100.00	0.30	0.30	247.05	-do-		Br.
247.05	248.05	1.00	1.00	100.00	0.45	0.45	247.50	-do-		Br.
					0.55	0.55	248.05	Sst. Fgd. with Sh. layer.		
248.05	249.65	1.60	1.60	100.00	1.10	1.10	249.15	Sh, aren.		HBr., Core Di
					0.50	0.50	249.65	Sh.		HBr., Sl
249.65	251.40	1.75	1.50	91.42	0.75	0.80	250.45	-do-		HBr., Sl
					0.85	0.95	251.40	Sst. Mgd.		HBr., Sl
251.40	253.55	2.15	2.01	93.48	0.51	0.60	252.00	Sst. Fgd.		

1	2	3	4	5	6	7	8	9	10	11
253.55	255.75	2.20	0.80	36.36	0.80	2.20	255.75	Sh, aren.		Hbr, Sl
255.75	258.25	2.50	0.45	18.00	0.45	2.50	258.25	-do-		Hbr, Sl
258.25	260.30	2.05	1.50	73.17	1.50	2.05	260.30	-do-		Hbr, Sl
260.30	262.50	2.20	0.40	18.18	0.40	2.20	262.50	-do-		Hbr, Sl
262.50	264.30	1.80	0.15	08.33	0.15	1.80	264.30	-do-		Hbr, Sl
264.30	264.80	0.50	0.28	56.00	0.28	0.50	264.80	Sst. Argill.		Br., Fr.
264.80	265.80	1.00	0.34	34.00	0.34	1.00	265.80	Sst. Mgd. with Sh. laminae.		Sl., Vfr
265.80	266.45	0.65	0.56	36.15	0.56	0.65	266.45	Sh, aren.		Fr., Br.
266.45	267.70	1.25	0.71	56.80	0.71	1.25	267.70	Sst. & Sh. Intercalated.		Br., Fr.
267.70	269.50	1.80	1.60	88.88	0.72	0.81	268.51	Sh, aren.		Fr., Hbr
					0.54	0.61	269.12	Sst. & Sh. Intercalated.		Sl.
269.50	271.85	2.35	2.00	45.10	0.34	0.38	269.50	Sst. Mgd.		
271.85	272.85	1.00	0.77	77.00	0.50	0.65	272.50	-do-		Br., Fr.
					0.27	0.35	272.85	Sst. Argill.		Fr., Br.
272.85	275.25	2.40	2.18	90.83	1.22	1.34	274.19	Sst. Mgd.		Vfr.
					0.17	0.19	274.38	Sst. Fgd.		Fr.
								Sst. & Sh. Intercalated.		Fr.
275.25	275.85	0.60	0.49	81.66	0.79	0.87	275.25	Sh, aren.		Sl.
275.85	276.40	0.55	0.55	100.00	0.49	0.60	275.85	Sst. Fgd.		Fr.
276.40	277.55	1.15	1.15	100.00	0.55	0.55	276.40	Sst. & Sh. Intercalated.		Br.
					1.15	1.15	277.55	-do-		Vfr.

1	2	3	4	5	6	7	8	9	10	11
277.55	279.10	1.55	1.53	98.70	0.40	0.41	277.96	Sst. & Sh. Intercalated.		
					0.56	0.57	278.53	-do-		
					0.23	0.23	278.76	Sst. Mgd.		Fr.
					0.34	0.34	279.10	Sst. Fgd.		Fr.
279.10	280.00	0.90	0.87	96.66	0.42	0.43	279.53	Sst. Mgd.		Fr.
					0.45	0.47	280.00	Sst. Argill.		Sl., Ps., Br.
280.00	280.60	0.60	0.60	100.00	0.25	0.25	280.25	Sh, aren.		Fr.
					0.35	0.35	280.60	Sst. & Sh. Intercalated.		Sl., Fr.
280.60	282.10	1.50	1.50	100.00	0.15	0.15	280.75	Sst. Argill.		
					1.35	1.35	282.10	Sst. Fgd.		Fr., Br.
282.10	282.90	0.80	0.80	100.00	0.80	0.80	282.90	-do-		Sl., Fr.
282.90	284.00	1.10	1.04	94.54	0.26	0.27	283.17	-do-		Fr.
					0.44	0.47	283.64	Sst. Argill.		Fr.
					0.34	0.36	284.00	Sst. & Sh. Intercalated.		
284.00	285.15	1.15	0.42	36.52	0.42	1.15	285.15	-do-		Fr., Sl.
285.15	287.54	2.40	2.40	100.00	0.44	0.44	285.59	Sst. & Sh. Intercalated.		
					0.28	0.28	285.87	Sst. Fgd. with Sh. Laminæ.		Fr., Sl., Ps.
					0.08	0.08	285.95	Sst. Mgd.		
					0.55	0.55	286.50	Sst. Argill.		
					1.05	1.05	287.55	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
288.35	289.05	0.70	0.52	74.28	0.52	0.70	289.05	Sh, aren.		Fr.
289.05	290.35	1.30	1.30	100.00	0.70	0.70	289.75	Sst. Fgd.		Fr.
290.35	292.30	1.95	1.95	100.00	0.60	0.60	290.35	Sst. Mgd.		Fr.
292.30	294.40	2.10	2.10	100.00	0.72	0.72	291.07	-do-		Fr.
					1.23	1.23	292.30	Sst. Fgd.		Fr.
					0.40	0.40	292.70	Sst. Argill.		Sl., Ps., Tr.
					0.59	0.59	293.29	Sst. Cgd.		
					0.90	0.90	294.19	Sst. Mgd.		
					0.21	0.21	294.40	Sst. Cgd.		
294.40	295.30	0.90	0.88	97.77	0.20	0.20	294.60	Sh.		Sl., Ps., Br.
					0.37	0.38	294.98	Sst. Fgd.		
					0.31	0.32	295.30	Sst. Argill.		
295.30	297.30	2.00	2.00	100.00	1.15	1.15	296.45	Sst. Fgd.		
					0.51	0.51	297.96	Sst. Mgd.		
					0.34	0.37	297.30	Sh, aren.		Fr.
297.30	300.40	3.10	3.10	100.00	0.80	0.80	298.10	Sst. Argill.		
					0.30	0.30	298.40	Sst. Fgd. with Sh. Bands.		
					0.55	0.55	298.95	Sst. & Sh. Intercalated.		
300.40	303.40	3.00	2.94	99.66	1.45	1.45	300.40	Grit.		
303.40	306.50	3.10	3.06	98.70	2.94	3.00	303.40	-do-		
					0.66	0.67	304.07	Sst. Cgd.		

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1	2	3	4	5	6	7	8	9	10	11
306.50	309.50	3.00	2.79	93.00	0.26	0.26	304.33	Sst. & Sh. Intercalated.		
					0.08	0.08	304.41	Sh.		
					0.08	0.08	304.49	C O A L.		
					0.14	0.14	304.63	Sh.		
					0.52	0.53	305.16	Sst. & Sh. Intercalated.		
					0.22	0.22	305.38	Sh.		
					0.38	0.38	305.77	Sst. Fgd. with Sh. Bands.		
					0.72	0.73	306.50	Sst. & Sh. Intercalated.		
306.50	309.50	3.00	2.79	93.00	0.40	0.43	306.93	-do-		
					0.97	1.04	307.97	Sh, aren.		Vfr., Sl
					0.12	0.13	308.10	Sst. Fgd.		
					0.21	0.23	308.33	Sh, aren.		
					0.25	0.27	308.60	Sst. & Sh. Intercalated.		
					0.63	0.68	309.28	Sst. Cgd.		
					0.11	0.12	309.40	Sst. & Sh. Intercalated.		
					0.10	0.10	309.50	Sh. with C. Bands.		
309.50	312.50	3.00	2.69	96.33	0.39	0.40	309.90	Sh.		Vfr., Sl.
					0.63	0.65	310.55	Sst. Argill.		Sl.
					0.53	0.55	311.10	Sst. & Sh. Intercalated.		Br.
					0.50	0.52	311.62	Sst. Mgd.		

1	2	3	4	5	6	7	8	9	10	11
312.50	315.50	3.00	3.00	100.00	0.79	0.83	312.50	Sst. Cgd.		
315.50	315.90	0.40	0.38	95.00	2.17	2.17.	314.67	Sst. Cgd. to Grit.		
315.90	318.90	3.00	2.35	78.33	0.83	0.83	315.50	Sst. Mgd. with Sh. Bands.		
318.90	319.60	0.70	0.45	64.26	0.29	0.31	315.81	-do-		
319.60	320.60	1.00	0.90	90.00	0.09	0.09	315.90	Sst. & Sh. Intercalated.		
					2.05	2.60	318.50	-do-		Fr, Sl.
					0.30	0.40	318.90	Sh.		Fr, Sl.
					0.31	0.48	319.38	Sh, aren.		
					0.14	0.22	319.60	Sst. & Sh. Intercalated.		Fr, Sl.
					0.27	0.30	319.90	-do-		
					0.26	0.29	320.19	Sst. Mgd.		
					0.09	0.10	320.29	Sst. Fgd.		
					0.28	0.31	320.60	Sh.		
320.60	321.85	1.25	1.17	93.60	0.20	0.21	320.81	Sst. Argill.		
					0.68	0.73	321.54	Grit.		
					0.05	0.05	321.59	Sst. Fgd.		
					0.24	0.26	321.85	Sh.		Br.
321.85	322.40	0.55	0.55	100.00	0.24	0.24	322.09	Sst. Fgd.		
					0.31	0.31	322.40	Sh.		
322.40	323.70	1.30	1.10	84.61	0.15	0.18	322.58	Sst. Fgd.		
					0.69	0.81	323.39	Sst. & Sh. Intercalated.		

1	2	3	4	5	6	7	8	9	10	11
323.70	324.50	0.80	0.70	87.50	0.26	0.31	323.70	Sh.		
324.50	325.30	0.80	0.75	93.75	0.26	0.28	324.78	Sh, aren.		Sl.
325.30	327.30	2.00	1.95	97.10	0.49	0.52	325.30	Sh.		
327.30	328.30	1.00	0.98	98.00	1.18	1.21	326.51	-do-		
					0.77	0.79	327.30	Sst. Argill.		
					0.53	0.54	327.84	-do-		
					0.20	0.20	328.04	Sst. Fgd.		
					0.25	0.26	328.30	Sst. Argill.		
328.30	329.30	1.00	1.00	100.00	0.15	0.15	328.45	Sst. Fgd. with Sh. Laminae.		
329.30	329.30	0.50	0.46	92.00	0.85	0.85	329.30	Sh, aren.		Sl., Br.
329.80	332.60	2.80	2.54	81.78	0.46	0.50	329.80	Sh.		Br.
					2.04	2.25	332.05	Sst. Mgd. with Sh. Laminae,		
					0.06	0.07	332.12	Sh.		
332.60	333.70	1.10	1.10	100.00	0.44	0.48	332.60	Sst. & Sh. Intercalated.		Br., Sl.
					0.60	0.60	333.20	Sst. Fgd.		
					0.50	0.50	333.70	Sst. Argill.		
333.70	335.30	1.60	1.52	95.00	0.16	0.17	333.87	Sh.		
					0.15	0.16	334.03	Sst. Fgd.		
								Sst. Argill.		

1	2	3	4	5	6	7	8	9	10	11
335.30	337.10	1.80	1.80	100.00	1.50	1.50	336.80	Sh.		Fr.
					0.30	0.30	337.10	Sst. Argill.		
337.10	337.70	0.60	0.60	100.00	0.60	0.60	337.70	Sst. Fgd.		Br.
337.70	338.90	1.20	0.96	80.00	0.24	0.25	337.95	Sst. Argill.		Br.
					0.10	0.10	338.05	Sst. Fgd.		Fr., Br
					0.62	0.85	338.90	Sst. Argill.		Fr., Br
336.90	340.10	1.20	0.93	77.50	0.24	0.31	339.21	Sst. Fgd.		Fr., Sl
					0.69	0.89	340.10	Sst. Argill.		
340.10	342.60	2.50	1.21	48.40	0.24	0.49	340.59	Sst. Fgd.		
					0.97	2.01	342.60	Sst. Mgd.		Fr., Sl
342.60	344.40	1.80	1.77	98.33	0.52	0.53	343.13	-do-		
					0.34	0.35	343.48	Sst. & Sh. Intercalated.		Fr., Sl
					0.81	0.82	344.30	Sst. Mgd.		
					0.10	0.10	344.40	Sh, aren.		Br.
344.40	346.20	1.80	0.65	36.11	0.15	0.42	344.82	Sst. Argill.		Br.
					0.50	1.38	346.20	Sst. Fgd.		Br., Fr
346.20	347.10	0.90	0.56	62.22	0.36	0.53	346.78	-do-		Fr.
					0.20	0.32	347.10	Sst. & Sh. Intercalated.		
347.10	347.80	0.70	0.38	54.28	0.38	0.70	347.80	Sh, aren.		Fr., Sl
347.80	348.40	0.60	0.43	71.66	0.43	0.60	348.40	Sh, with C. Bands.		Br.
348.80	350.80	2.40	2.10	87.50	0.56	0.64	349.04	Sst. & Sh. Intercalated.		

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1	2	3	4	5	6	7	8	9	10	11
357.70	353.90	1.20	0.79	65.83	0.28	0.42	358.12	-do-		Br.
355.90	357.70	1.80	1.18	72.00	0.31	0.47	356.37	-do-		Br.
354.40	355.90	1.40	1.03	72.00	1.06	1.50	355.90	Sst. Mg.		Br., Sl.
					0.80	0.98	354.40	Sst. & Sh. Intercalated.		
					0.23	0.28	353.42	Sst. Argill.		
					0.52	0.64	353.14	Sst. Fgd.		
352.30	354.40	2.10	1.71	81.42	0.16	0.20	352.50	Sst. & Sh. Intercalated.		
					0.55	0.66	352.30	Sh.		
					0.12	0.14	351.64	Sst. & Sh. Intercalated.		
					0.12	0.14	351.50	Sh. with C. Bands.		
350.80	352.30	1.50	1.26	84.00	0.47	0.56	351.26	Sh, aren.		
					0.51	0.58	350.80	Sh.		Br.
					0.08	0.09	350.22	Sst. Fgd.		Br.
					0.12	0.14	350.13	Sh, aren.		
					0.19	0.22	349.99	Sh.		
					0.15	0.17	349.77	Sst. & Sh. Intercalated.		
					0.49	0.56	349.60	Interbanding.		

1	2	3	4	5	6	7	8	9	10	11
358.90	360.00	1.10	1.01	91.31	0.62	0.68	359.58	Sst. & Sh. Intercalated.		Br.
					0.30	0.32	359.91	Sst. Cgd.		
					0.09	0.09	360.00	Sh.		
360.00	361.60	1.60	1.54	96.25	0.20	0.22	360.22	Sst. Mgd.		
					0.34	1.38	361.60	Sh.		Br.
361.60	362.60	1.00	0.44	44.00	0.44	1.00	362.60	Sst. Fgd.		Br., Fr.
362.60	363.75	1.15	1.04	90.43	1.04	1.15	363.75	Sst. Argill.		Br., Sl.,
363.75	365.55	1.80	1.77	98.33	0.36	0.37	364.12	-do-		
					0.16	0.16	364.28	Sst. Mgd.		
					0.34	0.35	364.63	Sst. & Sh. Intercalated.		
365.55	368.05	2.50	2.50	100.00	0.91	0.92	365.55	Sst. Cgd.		
368.05	369.55	1.50	1.45	96.66	2.50	2.50	368.05	-do-		
369.55	371.35	1.80	1.80	100.00	1.45	1.50	369.55	-do-		
					0.43	0.43	369.98	Sst. Cgd. with Sh. laminae.		
371.35	374.40	3.05	3.04	99.67	1.37	1.37	371.35	Sst. Cgd.		
374.40	377.10	2.70	2.68	99.25	3.04	3.05	374.40	-do-		
					0.72	0.73	375.13	Sst. Cgd. with Quartz Pebbles.		
					0.38	0.38	375.51	Sh. with C. Bands.		
					0.14	0.14	375.65	Sh.		
					1.18	1.19	376.84	Sst. & Sh. Intercalated.		
					0.26	0.26	377.10	Sst. Fgd.		

1	2	3	4	5	6	7	8	9	10	11
377.10	378.90	1.80	1.69	93.88	0.47	0.50	377.60	Sst. Fgd.		Sl., F
					0.33	0.35	377.95	Sst. & Sh. Intercalated.		Fr., P
					0.35	0.37	378.32	Sst. Mgd.		Pr., F
					0.14	0.15	378.47	Sst. & Sh. Intercalated.		Br., T
					0.40	0.43	378.90	Sst. Fgd. with Sh. laminae.		Br., S
378.90	379.90	1.00	0.69	69.00	0.69	1.00	379.90	Sh, aren.		Fr., S
379.90	381.70	1.80	1.70	94.44	1.70	1.80	381.70	Sh.		Br., S
381.70	383.40	1.70	0.80	47.05	0.67	1.42	383.12	Sh.		Br., S
					0.13	0.28	383.40	C O A L.		
					0.06	0.07	383.47	C O A L.		
383.40	384.60	1.20	0.99	82.50	0.83	1.01	384.48	Sh, aren.		Br.
					0.10	0.12	384.60	Sst. Mgd.		
384.60	385.90	1.30	1.08	83.07	1.08	1.30	385.90	-do-		Sl., F
385.90	386.90	1.00	1.00	100.00	0.33	0.33	386.23	-do-		Sl., F
					0.67	0.67	386.90	Sh.		Br., S
386.90	387.40	0.50	0.44	88.00	0.44	0.50	387.40	Sh, aren.		Sl., F
387.40	388.40	1.00	1.00	100.00	1.00	1.00	388.40	-do-		Br.
388.40	389.80	1.40	1.40	100.00	1.40	1.40	389.80	Sst. & Sh. Intercalated.		Br., F
389.80	390.05	1.05	0.65	61.90	0.65	1.05	390.05	-do-		Br., F
390.05	392.35	1.50	0.57	38.00	0.24	0.63	391.48	-do-		Br., F

XVIII B

1	2	3	4	5	6	7	8	9	10	11
392.35	394.90	2.55	2.10	82.35	0.15 0.26	0.45 0.32	392.35 392.64	Sst. Mgd. -do-	Br., Sl. Br., Vfr., Sl.	
					0.63	0.77	393.44	Sst. Fgd.	Fr.	
					0.11	0.13	393.57	Sst. & Sh. Intercalated.		
					0.65	0.79	394.36	Sh.		
					0.45	0.54	394.90	Sst. Argill.	Br., Fr.	
394.90	397.25	2.35	2.35	100.00	0.62	0.62	395.52	-do-		
					0.17	0.17	395.69	Sst. Fgd. (Sideritic).		
					1.26	1.26	396.95	Sst. & Sh. Intercalated.		
					0.30	0.30	397.25	Sst. Argill.		
397.25	397.35	0.60	0.40	66.66	0.40	0.60	397.35	Sst. & Sh. Intercalated.	Sl., Ps., B	
397.35	398.50	0.65	0.45	69.23	0.45	0.65	398.50	-do-	Sl., Ps.	
398.50	399.10	0.60	0.53	88.33	0.53	0.60	399.10	-do-		
399.10	400.70	1.60	1.51	94.37	1.35	1.41	400.51	-do-	Br., Sl.	
					0.16	0.19	400.70	Sh. with C. Streaks.	Br., Sl.	
400.70	402.10	1.40	1.31	93.57	0.95	1.02	401.72	Sst. & Sh. Intercalated.	Up., R.	
					0.36	0.36	402.10	Sh. with C. Streaks.	Vfr., F.	
402.10	403.40	1.30	1.03	79.23	0.70	0.68	402.98	C O A L.	Vfr., F.	
					0.33	0.42	403.40	Sst. & Sh. Intercalated.	Br.	
					0.40	0.85	404.25	-do-		
403.40	405.40	2.00	0.94	47.00	0.34	0.72	404.97	Sh. with C. Bands.		

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1	2	3	4	5	6	7	8	9	10	11
405.40	408.30	2.90	2.49	85.86	0.20	0.43	405.40	Sst. & Sh. Intercalated.		
408.30	410.60	2.30	2.29	99.56	2.49	2.90	408.30	-do-		
					0.22	0.22	408.52	Sst. & Sh. Intercalated.		
					0.24	0.24	408.76	Sst. Mgd.		
					0.52	0.52	409.28	Sst. & Sh. Intercalated.		
					0.24	0.24	409.52	Sst. Fgd.		
					0.93	0.94	410.46	Sst. & Sh. Intercalated.		Fr., Br.
					0.14	0.14	410.60	Sh.		Br.
410.60	411.70	1.10	0.72	65.45	0.72	1.10	411.70	Sst. Fgd.		
411.70	413.90	2.20	2.03	92.27	2.03	2.20	413.90	Sst. & Sh. Intercalated.		Fr., Br.
413.90	417.00	3.10	3.05	98.38	3.05	3.10	417.00	-do-		
417.00	418.70	1.70	1.15	97.05	1.42	1.46	418.46	-do-		
					0.18	0.19	418.65	Sst. Mgd.		
					0.05	0.05	418.70	Sh. with C. Streaks.		
418.70	420.95	2.25	2.20	97.77	0.92	0.95	419.65	Sst. Fgd. with Sh. Bands.		
					0.86	0.87	420.52	Sst. & Sh. Intercalated.		
					0.31	0.32	420.84	Sst. Cgd.		
					0.11	0.11	420.95	Sh. with C. Streaks.		
420.95	422.55	1.60	1.50	93.75	0.18	0.19	421.14	-do-		

1	2	3	4	5	6	7	8	9	10	11
422.55	424.40	1.35	1.76	95.13	0.31	0.33	422.14	Sst. & Sh. Intercalated.		
					0.38	0.41	422.55	Sst. Cgd.		
					0.42	0.44	422.99	-do-		
					0.71	0.75	423.74	Sst. Argill.		
					0.63	0.66	424.40	Sst. Mgd. with Sh. Laminae.		
424.40	425.40	1.00	1.00	100.00	0.36	0.36	425.26	Sst. Mgd.		
					0.14	0.14	425.40	Sst. & Sh. Intercalated.		
425.40	425.70	0.30	0.30	100.00	0.30	0.30	425.70	-do-		
425.70	427.60	1.90	1.71	89.47	0.28	0.31	426.01	Sh, aren.		
					0.10	0.11	426.12	Sst. Mgd.		
					0.04	0.04	426.16	Sh.		
					0.13	0.15	426.31	C O A L.		
					0.07	0.07	426.38	Sh, aren.		
					0.10	0.11	426.49	Sst. Fgd.		
					0.70	0.73	427.27	Sst. & Sh. Intercalated.		
					0.29	0.33	427.60	Sh, aren.		Fr.
427.60	428.70	1.10	1.06	96.36	0.62	0.64	428.24	-do-		Fr.
					0.44	0.46	428.70	Sst. Fgd. with Sh. Laminae.		
428.70	429.50	0.80	0.70	87.50	0.43	0.47	429.17	Sst. & Sh. Intercalated.		
					0.27	0.33	429.50	Sst. Fgd (Sideritic).		Fr., Br.
429.50	430.30	0.80	0.42	52.50	0.24	0.46	429.96	-do-		